DTIC FILE COPY

AD-A216 317

Institute Report No. 405

Fourteen-Day Subacute Intravenous Toxicity Study of Hypertonic Saline/Dextran 70® and its Constituents in New Zealand White Rabbits

Gary M. Zaucha, DVM, CPT, VC
Denzil F. Frost, MS, DVM, CPT, VC
Stanley T. Omaye, PhD
Lu Ann McKinney, DVM, MAJ, VC
Michael J. Pearce, MA
and
Don W. Korte, Jr., PhD, LTC, MSC

MAMMALIAN TOXICOLOGY BRANCH
DIVISION OF TOXICOLOGY

DTIC
ELECTE
JAN 02 1990
S D
E

November 1989

Toxicology Series: 248

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

LETTERMAN ARMY INSTITUTE OF RESEARCH
PRESIDIO OF SAN FRANCISCO, CALIFORNIA 94129

89 12 29 012

This document has been approved for public release and sale; its distribution is unlimited.

Destroy this report when it is no longer needed. Do not return to the originator.

Citation of trade names in this report does not constitute an official endorsement or approval of the use of such items.

This research was conducted in compliance with the "Guide for the Care and Use of Laboratory Animals," NIH Publication No. 85-23, as prepared by the Institute of Laboratory Animal Resources, National Research Council.

This material has been reviewed by Letterman Army Institute of Research and there is no objection to its presentation and/or publication. The opinions or assertions contained herein are the private views of the author(s) and are not to be construed as official or as reflecting the views of the Department of the Army or the Department of Defense. *(AR 360-5)*

Donald G. Corby 20 Nov 89

Donald G. Corby (date)
COL, MC
Commanding

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

1a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED	1b. RESTRICTIVE MARKINGS
2a. SECURITY CLASSIFICATION AUTHORITY	3. DISTRIBUTION/AVAILABILITY OF REPORT APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE	
4. PERFORMING ORGANIZATION REPORT NUMBER(S) Institute Report No.: 405	5. MONITORING ORGANIZATION REPORT NUMBER(S)
6a. NAME OF PERFORMING ORGANIZATION Mammalian Toxicology Division of Toxicology 6b. OFFICE SYMBOL (If applicable) SGRD-ULE-T	7a. NAME OF MONITORING ORGANIZATION Letterman Army Institute of Research
6c. ADDRESS (City, State, and ZIP Code) Letterman Army Institute of Research Presidio of San Francisco, CA 94129-6800	7b. ADDRESS (City, State, and ZIP Code) Presidio of San Francisco California 94129-6800
8a. NAME OF FUNDING/SPONSORING ORGANIZATION US Army Medical Research & Development Command 8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER
8c. ADDRESS (City, State, and ZIP Code) Fort Detrick Frederick, Maryland 21701-5012	10. SOURCE OF FUNDING NUMBERS PROGRAM ELEMENT NO.: 63807A PROJECT NO.: D836 TASK NO.: AX WORK UNIT ACCESSION NO.: DA314428

11. TITLE (Include Security Classification)
(U) Fourteen-Day Subacute Intravenous Toxicity Study of Hypertonic Saline/Dextran 70® and its Constitutents in New Zealand White Rabbits.

12. PERSONAL AUTHOR(S)
GM Zaucha, DF Frost, ST Omaye, LA McKinney, MJ Pearce, and DW Korte, Jr.

13a. TYPE OF	13b. TIME COVERED	14. DATE OF REPORT (Year, Month, Day)	15. PAGE COUNT
Institut	FROM 30MAR89 TO 21JUN89	November 1989	935

16. SUPPLEMENTARY NOTATION
Toxicology Series No. 248

17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)
FIELD	GROUP	SUB-GROUP	Subacute Toxicity, Intravenous Administration, Hypertonic Saline/Dextran 70®, Hypertonic Saline, Dextran 70®, Ringer's Lactate, Resuscitation Fluid

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

The subacute toxicity following intravenous administration of a proposed resuscitation fluid, hypertonic saline/Dextran 70® (HSD), was evaluated in male and female New Zealand White rabbits. Animals received intravenous doses of HSD, at levels of 8, 12, and 16 ml/kg/day over a 5-minute period, daily for 14 days. Equal volumes of each HSD component, 7.5% hypertonic saline (HS) and 6% Dextran 70® (D70) in normal saline, were also evaluated. Ringer's lactate (RL), dosed at 16 ml/kg/day, served as the control. Blood samples were collected for serum chemistry and hematologic analyses on Days -7 and 0 (baseline), Days 1, 2, 3, and 7 before daily administration of the dosing solutions, and Day 14 before necropsy. Observations were made daily before dosing, 1 hour after dosing, and in the afternoon. Water consumption was monitored over a 24-hour period weekly during quarantine, daily for the first week of the study, and on Day 14. The animals in each group were euthanized

20. DISTRIBUTION/AVAILABILITY OF ABSTRACT	21. ABSTRACT SECURITY CLASSIFICATION
☒ UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT ☐ DTIC USERS	UNCLASSIFIED

22a. NAME OF RESPONSIBLE INDIVIDUAL	22b. TELEPHONE (Include Area Code)	22c. OFFICE SYMBOL
DONALD G. CORBY, COL, MC	(415) 561-3600	SGRD-ULZ

DD Form 1473, JUN 86 *Previous editions are obsolete.*

SECURITY CLASSIFICATION OF THIS PAGE
UNCLASSIFIED

18. SUBJECT TERMS (cont.)

New Zealand White Rabbits

19. ABSTRACT (cont.)

and submitted for necropsy on Day 14. The majority of clinical signs were observed with relatively equal incidence among the treatment and control groups. Clinical signs observed with increased frequency in the HSD-, HS-, and D70-treated groups included hyperactivity and apprehension. The incidence and severity of observed signs was greatest 1 hour after dosing, and declined over the following 24 hours until dosing was repeated the next day. One mortality was observed among HSD-treated animals, one among HS-treated animals, and 2 among those treated with D70. Increased water consumption was observed in the HSD- and HS-treated groups throughout the study period. D70- and HSD-treated animals exhibited significant decreases in albumin (ALB), albumin/globulin ratio (A-G), cholesterol (CHOL), triglyceride (TRIG), calcium (CAL), iron (IRON), magnesium (MAG), erythrocyte count (RBC), hemoglobin (HGB), hematocrit (HCT), and total leukocyte count (WBC). The decreases in ALB, A-G. CAL, RBC, HGB, and HCT were dose related, being more severe for the high dose groups. The effects on ALB, A-G, RBC, HGB, and HCT became more pronounced as repeated daily dosing continued through the 14-day study period. Significant increases in total protein, and slight but statistically significant increases in aspartate aminotransferase (AST) and alkaline phosphatase (ALK) were observed following treatment with D70 or HSD. Serum chemistry and hematologic measurements of HS-treated animals were relatively unaffected by dosing. Body weights were unaffected by dosing, and no gross or microscopic lesions could be attributed to HSD or its constituents. Since the proposed therapeutic dose of HSD is a single dose of only 4 ml/kg, these findings indicate minimal adverse effects should be anticipated with the therapeutic administration of HSD.

Accession For	
NTIS GRA&I	X
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

DTIC COPY INSPECTED 1

ABSTRACT

The subacute toxicity following intravenous administration of a proposed resuscitation fluid, hypertonic saline/Dextran 70® (HSD), was evaluated in male and female New Zealand White rabbits. Animals received intravenous doses of HSD, at levels of 8, 12, and 16 ml/kg/day over a 5-minute period, daily for 14 days. Equal volumes of each HSD component, 7.5% hypertonic saline (HS) and 6% Dextran 70® (D70) in normal saline, were also evaluated. Ringer's lactate (RL), dosed at 16 ml/kg/day, served as the control. Blood samples were collected for serum chemistry and hematologic analyses on Days -7 and 0 (baseline), Days 1, 2, 3, and 7 before daily administration of the dosing solutions, and Day 14 before necropsy. Observations were made daily before dosing, 1 hour after dosing, and in the afternoon. Water consumption was monitored over a 24-hour period weekly during quarantine, daily for the first week of the study, and on Day 14. The animals in each group were euthanized and submitted for necropsy on Day 14. The majority of clinical signs were observed with relatively equal incidence among the treatment and control groups. Clinical signs observed with increased frequency in the HSD-, HS-, and D70-treated groups included hyperactivity and apprehension. The incidence and severity of observed signs was greatest 1 hour after dosing, and declined over the following 24 hours until dosing was repeated the next day. One mortality was observed among HSD-treated animals, one among HS-treated animals, and 2 among those treated with D70. Increased water consumption was observed in the HSD- and HS-treated groups throughout the study period. D70- and HSD-treated animals exhibited significant decreases in albumin (ALB), albumin/globulin ratio (A-G), cholesterol (CHOL), triglyceride (TRIG), calcium (CAL), iron (IRON), magnesium (MAG), erythrocyte count (RBC), hemoglobin (HGB), hematocrit (HCT), and total leukocyte count (WBC). The decreases in ALB, A-G, CAL, RBC, HGB, and HCT were dose related, being more severe for the high dose groups. The effects on ALB, A-G, RBC, HGB, and HCT became more pronounced as repeated daily dosing continued through the 14-day study period. Significant increases in total protein, and slight but statistically significant increases in aspartate aminotransferase (AST) and alkaline phosphatase (ALK) were observed following treatment with D70 or HSD. Serum chemistry and hematologic measurements of HS-treated animals were relatively unaffected by dosing. Body weights were unaffected by dosing, and no gross or microscopic lesions could be attributed to HSD or its constituents. Since the proposed therapeutic dose of HSD is a single dose of only 4 ml/kg, these findings indicate minimal adverse

effects should be anticipated with the therapeutic administration of HSD.

Key Words: Subacute Toxicity, Intravenous Administration, Hypertonic Saline/Dextran 70®, Hypertonic Saline, Dextran 70®, Ringer's Lactate, Resuscitation Fluid, New Zealand White Rabbits

PREFACE

TYPE REPORT: Subacute Toxicity GLP Study Report

TESTING FACILITY:
US Army Medical Research and Development Command
Letterman Army Institute of Research
Presidio of San Francisco, CA 94129-6800

SPONSOR: US Army Medical Research and Development Command
Letterman Army Institute of Research
Presidio of San Francisco, CA 94129-6800
Project Director: Charles Wade, PhD

PROJECT/WORK UNIT/APC: 3S463807D836/087/TLRO

GLP STUDY NUMBER: 88010

STUDY DIRECTOR: Don W. Korte, Jr., PhD, LTC, MSC
Diplomate, American Board of Toxicology

PRINCIPAL INVESTIGATOR: Gary M. Zaucha, DVM, CPT, VC
Diplomate, American College of
Veterinary Preventive Medicine

CO-PRINCIPAL INVESTIGATORS: Denzil F. Frost, MS, DVM, CPT, VC
Diplomate, American College of
Veterinary Preventive Medicine

Stanley T. Omaye, PhD, DATS

PATHOLOGIST: Lu Ann McKinney, DVM, MAJ, VC
Diplomate, American College of
Veterinary Pathologists

DATA MANAGER: Yvonne C. LeTellier, BS

REPORT AND DATA MANAGEMENT:
A copy of the final report, study protocols, retired SOPs, raw data, analytical and stability data, and an aliquot of the test compound will be retained in the LAIR Archives.

TEST SUBSTANCE: Hypertonic Saline/Dextran 70®

INCLUSIVE STUDY DATES: 30 March 89 - 21 June 89

OBJECTIVE: The objective of this study was to determine the subacute toxicity of hypertonic saline/Dextran 70® following intravenous administration in male and female New Zealand White rabbits.

ACKNOWLEDGMENTS

Ginny Gildengorin, PhD, provided assistance in the statistical analysis of data. SGT Tammie Heineman, SGT Barbara D. Green, SPC Dean K. Magnuson, BS, SPC Vilmar O. L. Villa, BS, Richard Katona, and Charlotte L. Gomez provided assistance in dose preparation and administration, data collection, animal care, and facility management. SGT Gayle A. Orner, BS, and SGT William J. Nieding, BS, provided assistance in dose preparation and administration.

SIGNATURES OF PRINCIPAL SCIENTISTS AND MANAGERS INVOLVED IN THE STUDY

We, the undersigned, declare that GLP study number 88010 was performed under our supervision, according to the procedures described herein, and that this report is an accurate record of the results obtained.

Don W. Korte, Jr. 7 Nov 89
DON W. KORTE, JR., PhD/DATE
LTC, MSC
Study Director

Yvonne C. LeTellier 10/31/89
YVONNE C. LeTELLIER, BS/DATE
DAC
Data Manager

Gary M. Zaucha 31 Oct 89
GARY M. ZAUCHA, DVM/DATE
CPT, VC
Principal Investigator

Denzil F. Frost
DENZIL F. FROST, MS, DVM/DATE
CPT, VC
Co-Principal Investigator

Stanley T. Omaye 31 Oct 89
STANLEY T. OMAYE, PhD/DATE
DAC
Co-Principal Investigator

Michael J. Pearce
MICHAEL J. PEARCE, MA/DATE
DAC
Co-Author

31 Oct 89
LU ANN McKINNEY, DVM/DATE
MAJ, VC
Pathologist

DEPARTMENT OF THE ARMY

LETTERMAN ARMY INSTITUTE OF RESEARCH
PRESIDIO OF SAN FRANCISCO, CALIFORNIA 94129-6800

REPLY TO
ATTENTION OF:

SGRD-ULZ-QA 26 October 1989

MEMORANDUM FOR RECORD

SUBJECT: GLP Compliance for GLP Study 88010

1. This is to certify that in relation to LAIR GLP Study 88010 the following inspections were made:

11 July 1988	-	Protocol Review
14 October 1988	-	Animal Receipt
19 October 1988	-	Randomization
25 October 1988	-	Observations
25 October 1988	-	Dosing
25 October 1988	-	Weighing
26 October 1988	-	Hematology
27 October 1988	-	Weighing Water Bottles
27 October 1988	-	Serum Chemistry
31 March 1989	-	Animal Receipt
10 April 1989	-	Water Consumption
10 April 1989	-	Weighing Animals
26 April 1989	-	Dosing
28 April 1989	-	Serum Analysis
01 May 1989	-	Observations/Scoring
13 June 1989	-	Necropsy

2. The institute report entitled "Fourteen-Day Subacute Intravenous Toxicity Study of Hypertonic Saline/Dextran 70¢ and its Constituents in New Zealand White Rabbits," Toxicology Series 248, was audited on 20 October 1989.

Carolyn M. Lewis

CAROLYN M. LEWIS
Diplomate, American Board of Toxicology
Quality Assurance Auditor

TABLE OF CONTENTS

Page

Abstract.....i

Preface.....iii

Acknowledgments.....iv

Signatures of Principal Scientists.....v

Report of Quality Assurance Unit.....vi

Table of Contents.....vii

INTRODUCTION.....1

Objective of Study.....2

MATERIALS.....2

Test Substance.....2
Test Substance Constituents.....2
Control.....3
Animal Data.....3
Husbandry.....3

METHODS.....4

Group Assignment/Acclimation.....4
Dose Levels, Preparation, and Analysis.....4
Test Procedures.....4
Observations.....7
Necropsy.....7
Statistical Analysis.....8
Duration of Study.....9
Changes/Deviations.....9
Storage of Raw Data and Final Report.....10

RESULTS.....10

Clinical Observations.....10
Body Weights.....12
Water Consumption.....12
Serum Chemistry.....13
Hematology.....17
Necropsy Findings.....20

TABLE OF CONTENTS (continued)

Page

DISCUSSION.....20

CONCLUSION.....23

REFERENCES.....206

APPENDICES.....208

Appendix A. Chemical Data.....209
Appendix B. Animal Data.....213
Appendix C. Historical Listing of Study Events.....214
Appendix D. Individual Animal Histories.....216
Appendix E. Body Weights.....470
Appendix F. Water Consumption.....478
Appendix G. Serum Chemistry.....487
Appendix H. Hematology.....657
Appendix I. Pathology Report.....770

OFFICIAL LIST OF DISTRIBUTION.....935

Fourteen-Day Subacute Intravenous Toxicity Study of Hypertonic Saline/Dextran 70® and its Constituents in New Zealand White Rabbits -- Zaucha *et al.*

INTRODUCTION

During conventional land warfare, it has been estimated that 90% of the deaths occur either in the field or en route to a fixed medical treatment facility and that 50% of those deaths occur due to hemorrhage (1). Conventional treatment of hemorrhage has involved infusion of isotonic resuscitation fluids at volumes equivalent to two or three times the volume of blood lost (2). Supplying this volume of resuscitation fluid on the battlefield for treatment of multiple casualties is not feasible.

Hypertonic crystalloid solutions have been used for the past 70 years in the treatment of hemorrhage (3). However, the consensus has been that unless followed by replacement of the lost blood volume, the beneficial effects of treatment with hyperosmotic solutions are transient (4). Recently, the addition of a hyperoncotic colloid, 6% Dextran 70®, to the hypertonic crystalloid, 7.5% saline, has significantly extended 96-hour survival rates compared with those obtained with normal saline or 7.5% saline (5). Should the effectiveness of this hypertonic saline/Dextran therapy be verified by clinical trial, it would provide a significant advance in the treatment of blood loss due to traumatic injuries.

As with any new treatment regimen, there are potential risks. Low molecular weight dextran could cause bleeding abnormalities and phlebitis or possibly interfere with the cross-matching of blood (6). Hypertonic solutions could cause neurologic abnormalities induced by the rapid increases in osmolalities (7-9) or cardiac arrhythmias induced by the hypokalemia associated with the rapid expansion of extracellular space (2, 10). Consequently, the Division of Toxicology, Letterman Army Institute of Research, was tasked to provide an acute and subacute toxicity profile of the 7.5% hypertonic saline/6% Dextran 70® resuscitation fluid (HSD). This report describes the results of a 14-day subacute toxicity study of hypertonic saline/Dextran 70® following intravenous administration in male and female New Zealand White rabbits.

Objective of Study

The objective of this study was to determine the 14-day subacute toxicity of hypertonic saline/Dextran 70® following intravenous administration in male and female New Zealand White rabbits.

MATERIALS

Test Substance

Name: Hypertonic saline/Dextran 70® (HSD)

LAIR Code No.: TP96

Lot Number: OD 59331

Expiration Date: 31 October 1989

Composition per 100 ml:

Dextran 70®	6 g
sodium chloride	7.5 g
water for injection	to 100 ml

Source: Pharmacia LEO Pharmaceuticals
Uppsala, Sweden

Test Substance Constituents

Name: Hypertonic (7.5%) saline (HS)

LAIR Code No.: TP98

Lot Number: OD 59339

Expiration Date: 31 October 1989

Composition per 100 ml:

sodium chloride	7.5 g
water for injection	to 100 ml

Source: Pharmacia LEC Pharmaceuticals
Uppsala, Sweden

Name: Dextran 70® (D70)

LAIR Code No.: TP95

Lot Number: OD 59340

Expiration Date: 30 April 1990

Composition per 100 ml:

Dextran 70®	6 g
sodium chloride	0.9 g
water for injection	to 100 ml

Source: Pharmacia LEO Pharmaceuticals
Uppsala, Sweden

Control

Name: Ringer's lactate (RL)

LAIR Code No.: TP97

Lot Number: OD 59336

Expiration Date: 31 October 1989

Composition per 100 ml:

sodium chloride	600 mg
potassium chloride	30 mg
calcium chloride dihydrate	20 mg
sodium lactate	310 mg
water for injection	to 100 ml

Source: Pharmacia LEO Pharmaceuticals
Uppsala, Sweden

Other test substance information is presented in Appendix A.

Animal Data

Fifty male and 50 female New Zealand White rabbits (Hazleton Research Products, Inc., P.O. Box 7200, Denver, PA 17517) were assigned to this study. They were identified individually with ear tags and corresponding LAIR animal identification numbers. In addition, 4 male and 1 female rabbits were utilized for quality control necropsy. The animal weights on receipt (30 March and 4 May 89, males; and 11 May 89, females) ranged from 2.31 to 3.63 kg (weights recorded 31 March and 16 May, and 12 May 89, males and females, respectively). Additional animal data are presented in Appendix B.

Husbandry

Study animals were individually housed in stainless steel battery-type cages with screen bottoms, in racks. The diet, fed *ad libitum*, consisted of Certified Purina Rabbit

Chow® 5322 (Ralston Purina Company, St. Louis, MO); water, purified by reverse osmosis, was provided by individual water bottles with sipper tubes. The animal room temperature and humidity were monitored continuously by hygrothermograph. The temperature was maintained in a range from 15.0°C to 26.7°C. The relative humidity was maintained in a range of 34% to 63% with occasional spikes to as high as 75% during room cleaning. The photoperiod was 12 hours of light per day (0600-1800 hours).

METHODS

This study was conducted in accordance with FDA guidelines (11) and LAIR SOP-OP-STX-74 (12).

Group Assignment/Acclimation

The animals were randomized into ten groups of 5 male and 5 female animals each (Table 1). Allocation was accomplished using a computer-based, stratified, weight-biased method. The XYBION Path/Tox AESLCT Animal Allocation Program was used in conjunction with a VAX 750 Computer.

The study animals were acclimated for a minimum of 12 days before the day of dosing. During this period they were quarantined, checked daily for signs of illness, and water consumption and body weights were measured weekly.

Dose Levels, Preparation, and Analysis

The maximum tolerated intravenous dose of HSD administered daily over a 5-minute period for 14 days was established at 16 ml/kg/day in preliminary pilot studies. This dose was chosen as the high dose level for HSD, HS, and D70. Intermediate (12 ml/kg/day) and low (8 ml/kg/day) dose levels for HSD, HS, and D70 were chosen as multiples of the proposed therapeutic dose (4 ml/kg). RL was administered to the controls at the high dose level only. Solutions were used as supplied by the manufacturer, Pharmacia LEO Pharmaceuticals. Analysis of the dosing solutions was provided by Pharmacia LEO Pharmaceuticals. Additional chemical data are presented in Appendix A.

Test Procedures

The subacute intravenous toxicity of hypertonic saline/Dextran 70® was evaluated in parallel with solutions of its major constituents, hypertonic (7.5%) saline and

TABLE

Dose Groups

Group	n (each sex)	Solution	Dose Level (ml/kg/day)
1	5	hypertonic saline/Dextran 70®	8
2	5	hypertonic saline/Dextran 70®	12
3	5	hypertonic saline/Dextran 70®	16
4	5	hypertonic saline	8
5	5	hypertonic saline	12
6	5	hypertonic saline	16
7	5	Dextran 70/normal saline	8
8	5	Dextran 70/normal saline	12
9	5	Dextran 70/normal saline	16
10	5	Ringer's lactate	16

Dextran 70® (6%) in normal saline, with Ringer's lactate serving as the control. The study was conducted in 2 phases. Phase I consisted of the male study animals and Phase II consisted of the females. To facilitate distribution of the workload, animals of each phase were further divided into subgroups of 8-13 animals, and a staggered start date for initial dosing of each subgroup was used. Dosing began 25, 26 April, 2, 3, and 17 May 1989 for the five Phase I subgroups and 30, 31 May, 6, and 7 June 1989 for the four Phase II subgroups.

Dosing solutions were administered via surgically implanted femoral vein catheters (Intramedic® non-radiopaque polyethylene tubing, PE-160, Clay Adams, Division of Becton Dickinson & Co., Parsippany, NJ, Lot No. 91023, Exp. Date 12-91). All catheterizations were performed in the LAIR surgical suite under aseptic conditions. A mixture consisting of 10 cc ketamine HCL (Vetalar®, 100 mg/ml, Parke-Davis, Division of Warner Lambert Co., Morris Plains, NJ, Lot No. 02467P, Exp. Date 5 1990), 1 cc xylazine (Rompun®, 20

mg/ml, Mobay Corporation, Animal Health Division, Shawnee, KS, Lot No. 260028C, Exp. Date 8-91), and 0.5 cc acepromazine (Tech America™, Acepromazine maleate injection, 10 mg/ml, Fermenta Animal Health Co., Kansas City, MO, Lot No. 8229A, Exp. Date 8-91) was administered to effect, intramuscularly for induction, and intravenously for maintenance of anesthesia for the surgical procedure. To prepare the animals for surgery, the hair of the inguinal region, medial thigh, and lumbar region was removed and the surgical site aseptiсly prepared and draped. An incision was made in the skin above the femoral vein. The vein was isolated and the polyethylene tubing was introduced through a nick incision in the vein. Catheters were advanced proximally into the vena cava and secured to the femoral vein with silk suture material (0 Silk, black braided, Ethicon®, Lot No. SJ2CVR B). A second incision was made in the dorsal midline of the lumbar region and a subcutaneous tunnel was formed around the body to connect with the femoral incision. The femoral catheter was threaded through the tunnel to exit at the dorsal incision. The femoral incision was closed with subcutaneously placed Dexon® (3-0 Dexon® "S", beige braided polyglycolic acid, Davis + Geck, Inc., Manati, PR, Lot No. 847444) and cutaneously placed polypropylene suture material (3-0 Prolene®, blue monofilament, Ethicon®, Lot No. ZM7227 D). A velcro patch (Velcro® Fastening Systems, Velcro U.S.A., Inc., Manchester, NH, Lot No. 087104/05A8) was sutured over the dorsal lumbar incision with nylon suture material (Nylon 0, black monofilament, Deknatel, Lot No. 0796) to secure the free end of the catheter. Catheters were flushed with heparinized saline (Heparin Sodium Injection, USP, Invertex Laboratories, Div. of Life Technologies, Inc., Chagria Falls, OH, Lot No. 338619P-F, Exp. Date 5-30-89; 0.9% Sodium Chloride Irrigation, USP, Travenol Laboratories, Inc., Deerfield, IL, Lot No. 6784314, Exp. Date Mar 91) prior to introduction, and as needed during surgery to maintain patency. After recovery, the animals were fitted with Elizabethan collars which were worn continuously until euthanasia on Day 14. Prophylactic antibiotics (0.2 ml/dose, Sterile Cephazolin Sodium, U.S.P., 1 gm/2.5 ml, LyphoMed, Inc., Rosemont, IL, Lot Nos. 380425 and 380578, Exp. Dates 5-30-90 and 6-30-90, respectively) were administered at least 1 hour prior to surgery, and were continued three times daily for 3 days after surgery.

Individual doses of test solution were calculated for Days 0-6 using the Day -1 body weights. Doses for Days 7-13 were calculated using the Day 7 body weights. The test solutions were administered between 0725 and 1445 each day. Animals were dosed in subgroups of 8-13 animals, in order of animal number. Group order within each subgroup was random.

When one series of injections was completed, the next subgroup of 8-13 animals was dosed until all animals were dosed for the day. Injections were made using 60 cc syringes (Becton Dickinson & Co., Rutherford, NJ, Lot Nos. 6K441 and 6E417). When not being used for administration of the test solution, or for obtaining blood samples for analysis, the catheters were filled with heparinized (1000 units/ml) sterile water for injection (Sterile Water for Injection, Abbott Laboratories, North Chicago, IL, Lot No. 14-135 FW, Exp. Date 1 Mar 90; Heparin, Elkins-Sinn, Inc., Cherry Hill, NJ, Lot No. 108062, Exp. Date 10-91) to maintain patency. In the event of femoral catheter failure, butterfly catheters (Intravenous Injection Set, 21-gage needle-pediatric, disposable type, size 2, Sherwood Medical Co., St. Joseph, MO, Lot No. 511838) were used to inject the test solutions via the ear veins.

Observations

During the 14-day observation period, clinical observations were accomplished daily before dosing, 1 hour after dosing, and in the afternoon. Body weights were recorded upon receipt of the animals, weekly during the quarantine and observation periods, and at necropsy. Water consumption was monitored for a twenty-four hour period, weekly during quarantine, daily for the first week of the study, and at 14 days. Blood samples were collected for serum chemistry and hematologic analyses on Days -7 and 0 (baseline), Days 1, 2, 3, and 7 before daily administration of the dosing solutions, and on Day 14 at necropsy. Blood collection was accomplished through the femoral catheters by first aspirating and discarding 1-2 cc of blood to clear the catheter of heparin. Additional blood was then collected for hematology, clotting time determinations, and serum chemistries in EDTA, citrate, and plain serum tubes, respectively. When it was not possible to draw sufficient blood from the catheter, samples were collected from the central artery of the ear. After collection, the citrated samples were immediately placed on ice until centrifugation. All samples for serum chemistry and clotting time determinations were centrifuged within an hour after collection and the serum or plasma frozen at -10°C to -22°C without interruption until analyzed. Direct and indirect ophthalmic examinations of all study animals were performed on Day -1 or Day 0 before dosing, and on Day 13.

Necropsy

All animals were submitted for necropsy on Day 14 immediately after receiving a lethal dose of a barbiturate

solution. Histopathologic examination was performed on the brain, including sections of the medulla/pons, cerebellar cortex, and cerebral cortex; spinal cord; eyes; thigh musculature/sciatic nerve; diaphragm; bone marrow (femur); pituitary; thyroid/parathyroids; trachea; gut lymph tissue; salivary gland; thymus; lungs; spleen; mesenteric lymph node; mammary gland/skin; kidneys/adrenals; pancreas; liver; gall bladder; gonads; uterus/prostate and epididymis; urinary bladder; ureter; heart; aorta; esophagus; stomach; duodenum; jejunum; ileum; colon; and cecum.

Statistical Analysis

The means and standard deviations for the body weight, water consumption, serum chemistry, and hematology data for each group were calculated. Body weight, water consumption, serum chemistry, and hematology data were analyzed for each sex separately using the BMDP statistical software package (13). To assure that no differences existed among the groups prior to dosing, the body weight, water consumption, serum chemistry, and hematology baseline (Day 0) data were subjected to a one-way analysis of variance (ANOVA) using solution/dose group as the factor of interest. If the F-statistic was significant for an analysis of variance for a particular measurement, differences among the groups were evaluated using the Student-Newman-Keuls multiple range test. For Days 1 through 14, the data for groups 1 through 9 were subjected to a three-way analysis of covariance using solution group (HSD, HS, D70), dose level (8, 12, 16 ml/kg/day), and time (study day) as the factors of interest, with each respective baseline serving as the covariate. Since the control group did not have 3 dose levels, it could not be included in the 3-way analysis. If the F-statistic was significant for an analysis of covariance for a particular measurement, differences among the groups and doses were evaluated using the Student-Newman-Keuls multiple range test. If time was a significant factor, the Newman-Keuls was performed for each time point separately. In addition, the water consumption, serum chemistry, and hematology data of each solution/dose group were subjected to a separate analysis of variance to determine if significant differences from baseline (Day 0) values occurred. If the F-statistic was significant for this analysis of variance, each time period was compared to the group's baseline value using the Dunnett's t test. All statistical tests were performed at the 0.05 level of significance. Clinical signs and gross and microscopic pathology findings were described for each animal and tabulated by groups.

Duration of Study

Appendix C is a complete historical listing of study events.

Changes/Deviations

The protocol schedule refers to the first day of dosing as Day 0. Since XYBION programming refers to the first day of dosing as Day 1, a one-day discrepancy exists between the actual study day and the study day listed in the XYBION printouts for Appendix D: Individual Animal Histories, and Appendix I: Pathology. After initial randomization into dose groups, a number of animals died from the anesthesia employed during catheterization before the initiation of dosing. Replacement animals were added to each respective groups to maintain group size at n = 5. Since the replacement animals were not originally scheduled in the study, their Day -7 blood samples were actually collected at the following times: 89F00- 156, 168, and 391 at Day -4; 89F00- 393 and 394 samples not taken. Animals 89F00- 130 and 147 required catheter replacement which delayed their scheduled start dates. Therefore, their Day -7 samples were actually collected at Day -8 and Day -13, respectively. In the event of femoral catheter failure after the initiation of dosing, animals were dosed using butterfly catheters via the marginal ear veins, and blood samples were collected via the central artery of the ear. Ophthalmic examinations were conducted on Day -1 or Day 0 prior to dosing, instead of Day -1 as scheduled in the protocol. Day 3 clotting time samples collected for animals 89F00- 130, 164, 165, 166, 169, 171, 172, 173, 175, 176, and 177 were unsuitable for analysis due to a technical error. The missing data is listed as not taken (NT) in Appendix H: Hematology. Day 0 water consumption for the following animals was inadvertently not recorded: 89F00- 257, 258, 259, 261, 263, 264, 266, and 267. Therefore, Day -7 values were used for their respective baselines in order to complete the data for statistical analysis of water consumption. Body weights were inadvertently not recorded during the first week of quarantine for replacement animals 89F00- 389, 390, 392, 393, and 394. A 4-hour power failure occurred on 20 May 1989 resulting in a period of darkness during the daylight phase. After resumption of electrical power, lighting was at 73% of normal due to electrical damage. Full lighting returned on 23 May 1989. The female study animals were on quarantine and only the last 8 male animals (89F00- 257, 258, 259, 261, 263, 264, 266, and 267) were on dosing at this time. It was not always possible to aspirate the heparinized flush from all catheters prior to dosing. Therefore, approximately 0.5 cc

of heparinized water for injection, which had been instilled in the catheters to maintain patency between dosing, was injected into the affected animals at subsequent dosing. Although affected animals were randomly distributed among the dose groups, the heparin may have affected the prothrombin time (PT) and activated partial thromboplastin time (APTT) data. For PT and APTT data, the term "TNTC" is used to denote a value exceeding 150 seconds. In the case of PT data, such readings were determined to be erroneous, and were dropped from the group statistical calculations. However, in the case of APTT data, the preponderance of "TNTC" readings required that they be included in the statistical calculations. To facilitate their inclusion, a value of 150 was substituted for TNTC for statistical calculations of APTT data.

Other than a possible compromise of the clotting time data, it is believed that these changes had no adverse effects on the results of this study.

Storage of Raw Data and Final Report

A copy of the final report, study protocol, raw data, retired SOPs, and an aliquot of the test compounds will be retained in the Letterman Army Institute of Research Archives.

RESULTS

Clinical Observations

The clinical signs observed were grouped into behavioral, general, respiratory, gastrointestinal, ocular, and skin categories. With the exception of hyperactivity, apprehension, and death, all major clinical signs were observed with relatively equal distribution among the treatment groups and RL-treated controls. The incidence of signs was not dose-related.

Behavioral signs was the most frequently observed category. Major behavioral signs observed included disorientation (99 of 100 animals), inactivity (93 of 100), incoordination (79 of 100), tremors (76 of 100), hyperactivity (36 of 100), apprehension (31 of 100), increased startle reflex (27 of 100), aggression (19 of 100), and depression (10 of 100). Hyperactivity was observed most frequently in animals treated with HS, followed in order by those treated with HSD, D70, and RL. Apprehension was observed only in female animals, and occurred primarily in

those treated with D70, followed by those treated with HS, HSD, and RL. Disorientation, inactivity, incoordination, tremors, hyperactivity, increased startle reflex, aggression, and depression occurred with relatively equal distribution among the treatment groups and controls of both sexes. The remaining behavioral signs, irritability, head swaying, and chewing, occurred sporadically during the study period, and were randomly distributed among the groups. The incidence and severity of behavioral signs was greatest one hour after dosing each day. A gradual reduction in incidence and severity then occurred. However, clinical signs were still evident 24 hours after dosing in most animals.

General signs observed included hunched posture (99 of 100), wide-legged stance (53 of 100), decreased appetite (19 of 100), lameness (15 of 100), nasal material or stain (15 of 100), swelling or edema of the testicles (10 of 50 males), discoloration of the testicles (10 of 50 males), ventral edema (5 of 100), and bloody or discolored urine (2 of 100). All general signs were observed with relatively equal incidence among the treatment groups and controls. Wide-legged stance and foreleg lameness were attributable to the Elizabethan collars. Hindleg lameness, swelling and discoloration of the testicles, and ventral edema were attributable to catheter implantation surgery and catheter leakage.

Respiratory signs included increased respiratory rate (76 of 100), increased respiratory depth (46 of 100), congestion (7 of 100), raspy breathing (7 of 100), and labored breathing (1 of 100). All respiratory signs were observed with relatively equal incidence among the treatment groups and controls.

Gastrointestinal signs included loose stool (14 of 100), diarrhea (4 of 100), and mucus in the stool (2 of 100). None of the gastrointestinal signs could be attributed to any particular dosing solution or dose level.

The ocular signs included dilated pupils (41 of 100), redness of the eyes (20 of 100), ocular discharge (8 of 100), increased lacrimation (5 of 100), squinting (5 of 100), exophthalmus (4 of 100), and extension of the nictitating membrane (1 of 100). None of the ocular signs could be attributed to any particular dosing solution or dose level.

The skin signs occurred equally among groups and were attributable to the Elizabethan collars or catheters.

Direct and indirect ophthalmic examinations conducted prior to the initiation of dosing and on Day 13, revealed no

visible lesions attributable to the dosing solutions in any of the study animals.

Four mortalities were recorded during the study period. These included 1 male treated with high doses of HSD (Day 11), 2 males treated with middle doses of D70 (Days 6 and 13), and 1 female treated with high doses of HS (Day 1).

A summary of clinical observations is presented in Table 2. Individual animal histories are presented in Appendix D.

Body Weights

Group mean body weights are presented in Table 3. Individual animal body weights are presented in Appendix E. No statistically significant differences were detected among the treatment groups (HSD, HS, and D70) or dose levels (8, 12, and 16 ml/kg/day) at baseline (Day 0), or following the initiation of dosing (Days 7 and 14). However, decreases in body weight were observed for all male treatment groups and dose levels, including the controls, following the initiation of dosing. When the mean values at each time point (Days 7 and 14) were compared to the baseline values (Day 0) for each respective group and dose level, statistically significant decreases in body weight were observed at Days 7 and 14 for male animals receiving low doses of HS, and at Day 14 for males receiving low doses of HSD or high doses of HS. Significant increases in body weight were observed for female animals treated with low doses of HSD. Inspection of the data revealed that the majority of the remaining female study groups also exhibited weight gains during the study period.

Water Consumption

Group mean water consumption data are presented in Table 4. Individual animal water consumption data are presented in Appendix F. No statistically significant differences were detected among the treatment groups (HSD, HS, and D70) or dose levels (8, 12, and 16 ml/kg/day) at baseline (Day 0). Following the initiation of dosing, dose level was not found to be a statistically significant factor affecting water consumption. Significant group effects, however, were observed for male and female study animals. Throughout the study period, HS- and HSD-treated animals consumed greater amounts of water than those treated with D70 or RL. Inspection of the data also revealed that HS-treated animals consistently consumed greater amounts of water than those treated with HSD. The differences between D70-treated animals and those treated with HSD or HS were statistically significant at Days 2, 3, and 5 for the males, and at Day 14

for the females. The water consumption of D70- or RL-treated animals either decreased or remained relatively unchanged compared to baseline levels. When the mean values at each time point (Days 1, 2, 3, 4, 5, 6, 7, and 14) were compared to the baseline values (Day 0) for each respective group and dose level, statistically significant decreases in water consumption were observed at Day 14 for male animals receiving low doses of D70, and at Days 3 through 14 for males receiving high doses of D70. Although not statistically significant, the water consumption of male and female animals receiving middle or high doses of HS or HSD generally increased compared to respective baseline values.

Serum Chemistry

Group mean serum chemistry data are presented in Table 5. Individual serum chemistry data are presented in Appendix G.

No statistically significant differences were detected among the treatment groups (HSD, HS, and D70) or dose levels (8, 12, and 16 ml/kg/day) at baseline (Day 0). When the mean values at each time point (Days 1, 2, 3, 7, and 14) were compared to baseline values (Day 0) for each respective group and dose level, no statistically significant alterations from baseline were observed in any of the serum chemistry measurements for the RL-treated controls of either sex, or for HS-treated males. For HS-treated females, the only statistically significant alterations from baseline were decreases in sodium (NA) at Days 2, 7, and 14 (high-dose group), and decreases in alkaline phosphatase (ALK) at Days 2, 3, 7, and 14 (middle-dose group). Compared to baseline values, significant decreases in NA were also observed for females treated with low and high doses of HSD (Days 7 and 14) and low (Days 7 and 14), middle (Days 2, 3, 7, and 14), and high (Days 2, 3, 7, and 14) doses of D70. At Day 2, HSD-treated males exhibited mean NA values significantly less than those of males treated with HS, but no statistically significant differences among treatment groups were detected among the females. Despite fluctuations from baseline values, NA levels of all groups remained within generally accepted normal limits throughout the study period.

D70- and HSD-treated animals exhibited transient increases in ALK, followed by return to levels only slightly above to slightly below baseline values. Compared to baseline values, statistically significant increases in ALK were observed for male animals treated with middle doses of HSD (Days 1, 2, and 3) and low doses of D70 (Days 2 and 3), and for females treated with high doses of D70 (Days 1, 2,

and 3). The mean ALK values for D70-treated male animals were significantly greater than those of males treated with HS at Days 1, 2, 3, 7, and 14. HSD-treated males exhibited ALK values significantly greater than those of HS-treated males at Days 2, 7, and 14. Although females treated with HSD or D70 exhibited ALK levels consistently greater than those of females treated with HS, the differences among the treatment groups were not statistically significant. The changes in ALK were not clinically significant for any of the treatment groups.

Following the initiation of dosing, D70- and HSD-treated animals exhibited significant decreases in mean albumin (ALB), albumin-globulin ratio (A-G), cholesterol (CHOL, females only), calcium (CAL), magnesium (MAG, males only), and iron (IRON, females only). The decreases in ALB and A-G were progressive for both sexes, while the decreases in CHOL and CAL were progressive only for the females. The decreases in ALB and A-G were dose-related, with the high-dose groups of either sex being more severely affected than the low-dose groups. A significant dose response was observed in the mean CAL values for female animals only. Inspection of the data also revealed a dose response for the decrease in CHOL observed for female study animals treated with HSD or D70, but the differences among the dose groups were not statistically significant.

At Days 2, 3, 7, and 14, the ALB and A-G for HSD- and D70-treated animals of either sex were significantly less than those of animals treated with HS. The dose effect for ALB was statistically significant at Days 3 and 7, and Day 7 for the males and females, respectively. The dose effect for A-G was statistically significant at Days 2 and 3, and Day 7 for the males and females, respectively. When the mean values at each time point (Days 1, 2, 3, 7, and 14) were compared to baseline values (Day 0) for each respective group and dose level, significant decreases in ALB were observed for male animals treated with low (Days 7 and 14), middle (Days 3, 7, and 14), and high (Days 7 and 14) doses of HSD, and low (Days 7 and 14), middle (Days 7 and 14), and high (Days 3, 7, and 14) doses of D70; and for females treated with middle (Days 1, 2, 3, 7, and 14) and high (Days 2, 3, 7, and 14) doses of HSD, and low (Days 1, 2, 3, 7, and 14), middle (Days 2, 3, 7, and 14), and high (Days 1, 2, 3, 7, and 14) doses of D70. Compared to baseline values, significant decreases in A-G were observed for males treated with low (Days 7 and 14) and middle (Days 2, 3, 7, and 14) doses of HSD, and low (Days 7 and 14), middle (Days 7 and 14), and high (Days 2, 3, 7, and 14) doses of D70. The A-G of high-dose males receiving HSD also progressively decreased compared to baseline, but the differences from baseline were

not statistically significant. Significant decreases in A-G were observed for females treated with low (Day 14), middle (Days 2, 3, 7, and 14), and high (Days 2, 3, 7, and 14) doses of HSD, and low (Days 2, 3, 7, and 14), middle (Days 2, 3, 7, and 14), and high (Days 1, 2, 3, 7, and 14) doses of D70.

The mean CHOL values for HSD- or D70-treated animals were significantly less than those of animals treated with HS at Days 7 and 14, and Days 2, 3, 7, and 14 for the males and females, respectively. Compared to baseline values, the mean CHOL levels for HSD- or D70-treated male animals were unaffected by dosing, while males receiving HS or RL exhibited moderate increases. The increases in CHOL observed for the HS- or RL-treated males, however, were not statistically significant. Statistically significant decreases in CHOL were observed for females treated with low (Days 1, 2, 3, 7, and 14), middle (Days 7 and 14), and high (Days 2, 3, 7, and 14) doses of HSD, and middle and high doses of D70 (Days 1, 2, 3, 7, and 14). The mean CAL values for animals of either sex treated with HSD or D70 were significantly less than those of HS-treated animals at Days 7 and 14. The CAL of females treated with D70 was also significantly less than that of females treated with HS at Day 3. The dose-response observed for decreases in CAL (high-dose animals affected more severely), although evident throughout the study period for both sexes, was statistically significant only for the females at Day 7. When compared to baseline values, the CAL was significantly decreased for male animals treated with high doses of HSD (Days 2, 7, and 14), and low (Days 1, 2, 3, 7, and 14) and high (Days 2, 3, 7, and 14) doses of D70; and for females treated with low (Day 14), middle (Days 1, 2, 3, 7, and 14), and high (Days 2, 3, 7, and 14) doses of HSD, and low (Day 14), middle (Days 1, 3, 7, and 14), and high (Days 1, 2, 3, 7, and 14) doses of D70. At Day 2, male animals treated with high doses of HS exhibited mean MAG values significantly less than those treated with middle or low doses of HS, or high doses of HSD or D70. However, from Day 3 through Day 14, HSD- and D70-treated animals exhibited consistently decreased MAG values when compared to the respective dose groups treated with HS.

Compared to baseline values, decreases in MAG values were statistically significant only for male animals receiving low doses of HSD (Day 14), or high doses of D70 (Days 7 and 14). Decreases in IRON were observed in HS- and RL-treated animals as well as those treated with HSD or D70, and no statistically significant differences were detected among the treatment groups. Compared to baseline values, significant decreases in IRON were observed only for female animals treated with middle and high doses of HSD or D70 (Days 7 and 14).

The triglycerides (TRIG) of HSD- or D70-treated animals were also consistently less than those of HS-treated animals of either sex. However, the difference in TRIG was statistically significant only for the males at Day 14, and differences from baseline values were inconsistent with statistically significant decreases observed only for females treated with middle doses of D70 (Days 7 and 14).

Following treatment with D70 or HSD, significant dose-related increases in total protein (TP) were observed. Although several HSD- and D70-treated groups exhibited transient decreases in TP at Days 1, 2, and 3, the mean TP values for all HSD- or D70-treated groups were increased at Days 7 and 14, compared to baseline values. TP levels for HS- or RL-treated animals were relatively unaffected by dosing. Male animals treated with the high dose level of D70 or HSD exhibited significantly greater mean TP values than those treated with HS, at Day 14. The differences between HSD- or D70-treated female animals, and those treated with HS, were statistically significant at Days 3, 7 and 14 for the high-dose groups, and Days 7 and 14 for the middle-dose groups. The dose effect was statistically significant at Days 3 and 14 for HSD-treated males, and Day 14 for D70-treated males. The dose effect was statistically significant at Days 7 and 14 for HSD- and D70-treated females. TP levels were significantly increased compared to baseline values for males treated with middle (Days 7 and 14) and high (Day 14) doses of HSD, and low and high doses of D70 (Day 14), and for females treated with middle (Days 7 and 14) and high (Days 3, 7, and 14) doses of HSD, and middle and high doses of D70 (Days 7 and 14).

Increases in phosphorus were observed in HSD- or D70-treated animals, but similar increases occurred in HS-treated animals and RL-treated controls. At Day 14, HS-treated females animals exhibited mean PHOS values significantly greater than those of animals treated with D70. Compared to baseline values, the increases in PHOS were statistically significant only for females treated with high doses of D70 (Day 7). Slight increases in aspartate aminotransferase (AST) were observed for animals treated with D70 or HSD, but the differences from baseline were not statistically significant. The AST of male and female animals treated with D70 or HSD were consistently greater than those of HS-treated animals, with significant differences being observed only for females at Days 7 and 14.

Other alterations in serum chemistry measurements, although statistically significant, appeared to be randomly distributed among the treatment and dose groups, with little

if any clinical significance. The creatine phosphokinase (CK) of HS-treated males was significantly greater than that of D70-treated males at Day 1. The mean CK values for all treatment groups and controls were elevated beyond normal limits, with maximum levels reported at Days -7, 0, or 1. Elevations in CK were most likely due to tissue manipulations required at femoral catheter implantation surgery. The lactate dehydrogenase (LDH) of HS-treated males was significantly greater than that of HSD- and D70-treated males at Day 14. Random fluctuations in LDH were observed in all treatment and control groups. Statistically significant group and dose effects were detected in the uric acid (URIC) for female study animals at Days 7 and 14, but no significant differences from baseline values were observed, and no group or dose effects were observed for the males. The mean blood urea nitrogen (BUN) levels for male animals treated with middle doses of HSD were significantly decreased compared to baseline values at Days 2 and 3. However, no differences among treatment groups were detected for either sex, and no significant alterations from baseline were detected for the females. At Day 14, females treated with middle doses of HSD exhibited mean chloride (CL) values significantly greater than those treated with middle doses of HS. However, no significant deviations from baseline CL values were observed.

Hematology

Group mean hematology data are presented in Table 6. Individual hematology data are presented in Appendix H.

With the exception of the mean corpuscular volume (MCV) for the female animals, no statistically significant differences were detected among the treatment groups (HSD, HS, and D70) or dose levels (8, 12, and 16 ml/kg/day) at baseline (Day 0). At Day 0, the mean MCV value for females to be treated with low doses of HS was significantly greater than those of females to be treated with low doses of HSD, or low, middle, and high doses of D70. This may be attributed to animal 89F000374 that consistently exhibited exceptionally high MCV values. Following the initiation of dosing, D70- and HSD-treated animals exhibited progressive decreases in mean erythrocyte count (RBC), hematocrit (HCT), and hemoglobin (HGB) values. While animals treated with HS or RL also exhibited decreases in these measurements, the significance of the changes observed in the HS- and RL-treated groups were inconsistent between the sexes, and relatively transient. From Day 3 to 14, increases in RBC, HCT, and HGB were observed for most RL- or HS-treated groups, while the values continued to decline for HSD- or D70-treated animals. RBC values for D70- and HSD-treated animals were

significantly less than those of animals treated with HS at Days 7 and 14, and Day 14, for the males and females, respectively. The HCT values for D70- or HSD-treated animals of both sexes were significantly less than those of animals treated with HS at Days 7 and 14. The HGB values for D70- or HSD-treated females were significantly less than those of HS-treated females at Days 7 and 14. For the males, differences among mean HGB values depended upon solution group and dose level. At Day 7, males treated with the low-dose level of HSD or D70 exhibited mean HGB values significantly less than those of males treated with low doses of HS. At Day 14, males treated with low doses of D70 or HSD, middle doses of D70, or high doses of HSD exhibited mean HGB values significantly less than those of males treated with the respective doses of HS. A significant dose response was apparent in the RBC changes for both sexes, and in the HCT and HGB alterations for females. The RBC, HCT, and HGB values for animals receiving middle or high doses of the test solutions were more severely affected than those treated with low doses.

At Day 14, the total leukocyte counts (WBC) for HSD-treated male rabbits were significantly less than those of males treated with HS. D70-treated males exhibited intermediate values. When the mean values at each time point (Days 1, 2, 3, 7, and 14) were compared to baseline values (Day 0) for each respective group and dose level, significant decreases in WBC were observed in male animals treated with low doses of HSD (Days 7 and 14), high doses of HSD (Days 2, 3, 7, and 14), and high doses of D70 (Days 7 and 14). The WBC for males treated with HS or RL remained relatively unchanged compared to the respective baseline values. Although significant group effects for WBC were not observed in female study animals, deviations from baseline values did occur. At Day 14, the mean WBC values for all female treatment and dose groups were decreased compared to the respective baselines. The decreases relative to baseline were significant at Day 7 for females receiving middle doses of D70 and high doses of D70 or HSD. The decreases relative to baseline were significant at Day 14 for females receiving low doses of D70, middle doses of D70, HSD, or HS, high doses of D70 or HSD, and RL.

Alterations in mean corpuscular volume (MCV) and mean corpuscular hemoglobin (MCH) were observed following the administration of HSD, HS, D70, or RL. Differences among the groups, however, were inconsistent as values generally increased or remained relatively unchanged compared to each respective baseline. The only statistically significant group effects for MCV and MCH were observed at Day 14 among male animals. At this time, D70- and HSD-treated males

exhibited significantly greater MCV and MCH values compared to those treated with HS. Statistically significant group effects were not observed in the female study animals. Compared to baseline values, significant increases in MCV were observed for males treated with middle and high doses of HSD (Days 7 and 14), and high doses of D70 (Days 3, 7, and 14). For the females, significant increases in MCV were observed at Day 3 for animals treated with low doses of HSD or D70. Significant increases in MCV were observed at Days 7 and 14 for females treated with low and middle doses of HSD or D70, high doses of D70, middle doses of HS, and RL. Significant increases in MCH were observed for males treated with middle doses of HSD (Days 7 and 14), and females receiving low doses of HSD (Days 3 and 7) or middle doses of D70 (Day 7).

Other statistically significant alterations in hematologic measurements appeared to be randomly distributed among the treatment and dose groups, with little if any clinical significance. Compared to HS-treated animals, atypical lymphocyte values were significantly less for males treated with all dose levels of D70 (Day 2) or HSD (Day 3), and females treated with middle doses of HSD (Day 7). The mean prothrombin times (PT) for D70- and HSD-treated males were significantly greater than those of HS-treated males at Day 14. The mean monocyte counts for D70-treated females were significantly greater than those of HS-treated females at Day 7, and the mean nucleated red blood cell counts (NRBC) for HSD- and D70-treated females were significantly less than those of females receiving HS at Day 1. Compared to baseline values, significant increases in ATL were observed for females treated with low doses of HSD at Day 1; significant increases in reticulocytes were observed for males treated with high doses of HS (Days 7 and 14), low and high doses of D70 (Days 3, 7, and 14), and for males and females treated with RL (Days 3, 7, and 14); significant increases in platelets were observed for males treated with RL (Day 14). At Days 3, 7, and 14, significant increases in heterophils were accompanied by decreases in lymphocytes for males treated with high doses of D70. No statistically significant alterations from baseline values were detected for PT, MONO, or NRBC. The data for activated partial thromboplastin time (APTT) apparently were affected by the heparin used to maintain catheter patency, and therefore, were unsuitable for analysis. Day -7 samples exhibited relatively normal APTT values. However, values obtained from samples collected after implantation of the catheters (Days 0 through 14) were consistently elevated above generally accepted normal limits.

Necropsy Findings

No gross or microscopic pathological lesions attributable to the test compound or its constituents were reported. Microscopic lesions observed in the study animals were considered as incidental findings, or the result of chronic catheterization and restraint. The Veterinary Pathologist's report is presented in Appendix I.

DISCUSSION

The subacute intravenous toxicity of HSD in New Zealand white rabbits was evaluated by dosing groups of animals with 8, 12, or 16 ml/kg/day, over 5 minutes, daily for 14 days. Dose levels were selected based on multiples of the proposed therapeutic dose, 4 ml/kg (2), and the maximum tolerated dose of HSD which had been established in preliminary studies as 16 ml/kg administered over 5 minutes (14). In addition to dosing with HSD, groups of rabbits were dosed with equal volumes of HS or D70. The control group was dosed with RL at the 16 ml/kg/day dosage. Since RL is an isotonic solution, it provided a basis to compare the effects of the volume administered, and served to demonstrate that changes occurring in HSD-, HS-, or D70-treated animals were, in fact, due to the solutions administered and not normal variation over time resulting from extraneous experimental factors. Therefore, differences between baseline measurements and measurements made after the initiation of dosing with HSD, HS, and D70 can be attributed to the effects of the latter test solutions.

The majority of clinical signs occurred with relatively equal distribution among the treatment groups, dose levels, and control groups. Exceptions to this included hyperactivity and apprehension, which were observed with relatively low incidence among the RL-treated control animals. The greatest incidence and severity of signs were observed 1 hour after dosing. Most clinical signs gradually diminished in incidence or severity during the following 24 hours until dosing was repeated the next day. Four mortalities were also observed among the HSD-, HS-, and D70-treated animals, while none occurred among RL-treated controls. However, no gross or microscopic lesions attributable to the test solutions were reported for any of the unscheduled deaths. The mortalities may have been due to complications resulting from chronic catheterization, as microscopic findings of affected animals included vasculitis, thrombi, infarcts, and bacterial emboli of the lungs, liver, and kidneys. Since the majority of clinical signs occurred

with relatively equal incidence among the treatment and control groups, they were most likely due to the rabbit's sensitivity to hemodynamic changes following the rapid intravenous infusion of large volumes of any solution, and the transient derangement of plasma-tissue osmotic balance expected with hyperosmotic or hyperoncotic solutions.

Changes in body weights could not be attributed to the test solutions.

The water consumption for HSD- and HS-treated animals was consistently greater than that of animals treated with D70 or RL. While D70- and RL-treated animals exhibited significant decreases in water consumption during the study period, HSD- and HS-treated animals consumed increased quantities of water relative to respective baseline values. This is consistent with the increased water volume required for excretion of the excess NaCl component of these solutions. The lack of significant differences in body weights among the treatment groups indicates that the increased water consumption exhibited by HSD- and HS-treated animals did not result in over hydration.

Statistically significant decreases in albumin (ALB), albumin/globulin ratio (A-G), cholesterol (CHOL), calcium (CAL), magnesium (MAG), triglycerides (TRIG), and iron (IRON) were observed for animals treated with HSD or D70. The decreases in ALB, A-G, CHOL, and CAL were dose related, with animals receiving the high dose levels being more severely affected than those receiving low dosages. The decreases in CHOL and CAL were progressive for the females, while decreases in ALB and A-G were progressive for both sexes, becoming more severe with each successive sampling day.

Decreases in the erythrocyte count (RBC), hemoglobin (HGB), hematocrit (HCT), and total leukocyte count (WBC) were also observed for animals treated with HSD or D70. The decreases in RBC were dose related, being more severe for the high dose groups of both sexes. Decreases in HGB and HCT were dose related only in the female animals. Decreases in RBC, HGB, and HCT were also observed for HS- and RL-treated animals, but the hematologic changes for these groups were inconsistent between the sexes, and relatively transient. Decreases in RBC, HGB, and HCT progressed through Day 14 for HSD- and D70-treated animals. Significant increases in reticulocyte count (RET), mean corpuscular volume (MCV), and mean corpuscular hemoglobin (MCH) were observed randomly among treatment groups.

The decreases in ALB, A-G, CHOL, CAL, MAG, TRIG, IRON, RBC, HGB, HCT, and WBC associated with the repeated daily

administration of HSD or D70 may be attributed to the gradual accumulation of dextran in the serum, and subsequent progressive hemodilution. Data collected after the administration of a single dose of dextran at a dosage of 20 ml/kg in beagle dogs (15), indicated that at 24 hours after infusion, only 40% of the dextran had been removed from the serum (M. Dubick, Letterman Army Institute of Research, personal communication). M. Dubick has also observed that the half-life of dextran in the rabbit is approximately 7.4 hours. Twenty-four hours after dosing, dextran concentrations would still be elevated and detectable in the serum. Therefore, the repeated administration of dextran-containing solutions every 24 hours would result in gradually increasing serum dextran concentrations until a plateau is reached several days after the initiation of dosing. A progressive expansion of plasma volume may accompany the increasing serum dextran concentrations, resulting in hemodilution and relative decreases in the affected serum chemistry and hematologic measurements. Ultimate serum dextran concentrations, and the resulting degree of hemodilution, would be dependent upon dose level and the rate of clearance of dextran from the serum. Dose level has been determined to be a significant factor affecting the decreases in ALB, A-G, CAL (females), RBC, HGB (females), and HCT (females) observed in this study.

The transient decreases in RBC, HGB, and HCT, and significant decreases in IRON observed for HS- and RL-treated animals, suggest that the repeated blood sampling may also have contributed to decreases in these measurements for all treatment groups. Considering the average blood volume of a rabbit to be 60 ml/kg, seven blood samples (Days -7, 0, 1, 2, 3, 7, and 14) of 5 ml/sample, would have resulted in the loss of approximately 17% of the blood volume for a 3.4 kg rabbit. Such a loss would be expected to have a measurable effect on these hematologic indices. The increases in RET, MCV, and MCH, observed randomly among the treatment groups, may be considered a normal response to the blood loss incurred through the repeated sampling conducted during this study.

Significant increases in total protein (TP) were observed for animals treated with HSD or D70. Increases in TP and concurrent decreases in ALB and A-G, provide indirect evidence of increasing globulin levels for HSD- and D70-treated animals. This is an interesting observation because the absence of this response in HS- and RL-treated animals would suggest that the response is associated with the repeated administration of dextran. This may not be a valid conclusion, however, because an increase in globulin levels following dextran administration was not observed in earlier

toxicity studies with Dextran 70® (G. Jonsson, Pharmacia, personal communication).

The mild increases in AST and ALK, the absence of clinical signs referable to liver disease, and the lack of hepatic lesions on histopathological examination, suggest that the enzyme elevations may have been due to enzyme induction associated with the metabolism of dextran rather than hepatocellular damage.

Other alterations in serum chemistry and hematology measurements, although statistically significant among groups, were inconsistent, and did not vary from generally accepted normal limits.

Gross and microscopic lesions observed at necropsy and subsequent histopathologic examination of tissues, were considered to be either incidental findings commonly observed in rabbits, or the result of chronic catheterization and restraint. These findings suggest that if any morphological changes occurred due to the administration of the volume expanders, they were transient.

CONCLUSION

The toxicity associated with the repeated daily administration of HSD is consistent with plasma expansion and resultant hemodilution induced by persistent serum dextran levels, the hepatic metabolism of dextran, and the administration of large volumes of hypertonic saline. Since the proposed therapeutic dose of HSD is a single dose of only 4 ml/kg, these findings indicate that there will be minimal adverse effects associated with the therapeutic administration of HSD.

TABLE 2

Clinical Observations Summary[a]

Group/(ml/kg/day)	RL/16		HSD/8		HSD/12		HSD/16		HS/8	
Sex	M	F	M	F	M	F	M	F	M	F
Observation										
BEHAVIORAL										
DISORIENTED	5	5	5	5	5	5	4	5	5	5
INACTIVE	5	4	5	5	5	4	5	5	5	4
UNCOORDINATED	5	2	5	3	5	5	5	1	5	4
TREMORS	4	3	5	1	3	4	5	5	5	5
HYPERACTIVE	1	0	3	1	4	1	1	1	1	3
APPREHENSIVE	0	1	0	3	0	3	0	2	0	3
STARTLES	1	2	1	2	0	0	3	1	3	2
AGGRESSIVE	0	3	2	1	1	0	0	1	0	1
DEPRESSED	0	0	0	0	0	2	1	0	0	1
CHEWING	0	0	0	0	1	0	0	0	1	0
IRRITABLE	0	1	0	0	0	0	0	0	0	0
SWAYS HEAD	0	0	0	1	0	0	0	0	0	0
GENERAL										
HUNCHED POSTURE	5	5	5	5	5	5	5	5	5	4
WIDE STANCE	3	3	3	3	2	2	4	2	4	2
DECR. APPETITE	1	0	1	0	1	1	1	1	2	0
LAMENESS	1	0	2	0	1	0	2	0	3	1
NASAL MAT/STAIN	0	2	0	2	0	1	0	0	0	1
SWOLLEN TESTES	0	0	2	0	0	0	1	0	0	0
DISCOLOR. TESTES	1	0	1	0	0	0	1	0	0	0
VENTRAL EDEMA	0	0	1	0	0	0	1	0	0	0
BLOODY/DISCOLOR URINE	0	0	0	0	0	1	0	0	0	0
RESPIRATORY										
INC. RESP. RATE	3	5	4	5	2	4	5	3	3	5
INC. RESP. DEPTH	1	2	3	3	3	2	4	0	2	3
CONGESTED	1	0	2	0	0	0	1	0	0	0
RASPY	1	1	0	0	0	0	0	0	0	0
LABORED BREATHING	0	1	0	0	0	0	0	0	0	0

[a] Data presented as number of animals exhibiting the sign with 5 animals of each sex per group.

TABLE 2 (cont.)

Clinical Observations Summary[a]

Group/(ml/kg/day)	HS/12		HS/16		D70/8		D70/12		D70/16	
Sex	M	F	M	F	M	F	M	F	M	F
Observation										
BEHAVIORAL										
DISORIENTED	5	5	5	5	5	5	5	5	5	5
INACTIVE	5	5	5	3	5	5	4	5	5	4
UNCOORDINATED	4	5	5	2	5	1	5	3	5	4
TREMORS	4	4	5	4	4	3	3	4	2	3
HYPERACTIVE	3	4	4	1	2	0	3	1	1	1
APPREHENSIVE	0	4	0	2	0	5	0	5	0	3
STARTLES	1	2	0	1	2	0	2	1	3	0
AGGRESSIVE	1	1	0	4	0	0	1	2	0	1
DEPRESSED	0	0	1	0	1	0	2	0	2	0
CHEWING	0	1	0	0	0	0	0	0	0	0
IRRITABLE	0	0	0	0	0	0	0	0	0	1
SWAYS HEAD	0	0	0	0	0	0	0	0	1	0
GENERAL										
HUNCHED POSTURE	5	5	5	5	5	5	5	5	5	5
WIDE STANCE	4	2	4	2	2	1	4	1	3	2
DECR. APPETITE	3	0	1	1	1	0	1	1	3	0
LAMENESS	1	0	2	0	2	0	0	0	0	0
NASAL MAT/STAIN	0	1	0	2	0	2	0	2	0	2
SWOLLEN TESTES	0	0	1	0	0	0	2	0	4	0
DISCOLOR. TESTES	0	0	0	0	0	0	3	0	4	0
VENTRAL EDEMA	0	0	1	0	0	0	1	0	1	0
BLOODY/DISCOLOR URINE	0	0	0	1	0	0	0	0	0	0
RESPIRATORY										
INC. RESP. RATE	2	5	2	3	3	5	5	5	3	4
INC. RESP. DEPTH	4	3	2	2	2	4	2	2	1	1
CONGESTED	1	0	0	0	0	0	1	0	1	0
RASPY	1	0	0	2	0	0	1	0	1	0
LABORED BREATHING	0	0	0	0	0	0	0	0	0	0

[a] Data presented as number of animals exhibiting the sign with 5 animals of each sex per group.

TABLE 2 (cont.)

Clinical Observations Summary[a]

Group/(ml/kg/day)	RL/16		HSD/8		HSD/12		HSD/16		HS/8	
Sex	M	F	M	F	M	F	M	F	M	F
Observation										
GASTROINTESTINAL										
LOOSE STOOL	1	0	0	1	0	0	0	0	0	0
DIARRHEA	0	0	0	0	0	1	0	0	1	1
MUCUS IN STOOL	0	0	0	0	0	0	0	0	1	0
OCULAR										
PUPILS DILATED	3	4	3	0	2	3	2	3	2	2
REDNESS	1	1	1	1	1	0	2	0	2	0
DISCHARGE	4	0	0	0	0	0	0	0	0	0
LACRIMATION	0	0	0	1	0	0	0	1	0	0
SQUINTING	1	0	1	0	0	0	0	0	0	0
EXOPHTHALMUS	0	1	1	0	0	0	1	0	0	0
THIRD EYELID EXTENDED	0	0	1	0	0	0	0	0	0	0
SKIN										
ROUGH COAT	3	0	1	0	1	0	4	0	1	0
SORE	0	0	0	0	0	0	0	0	0	0
REDNESS	0	0	0	1	0	0	0	0	0	0
ABSCESS	0	0	0	1	0	0	0	0	0	0
BRUISE	0	0	0	0	0	0	0	0	0	0
SWELLING MOUTH	0	0	0	0	0	0	1	0	0	0
MORTALITIES	0	0	0	0	0	0	1	0	0	0

[a] Data presented as number of animals exhibiting the sign with 5 animals of each sex per group.

TABLE 2 (cont.)

Clinical Observations Summary[a]

Group/(ml/kg/day)	HS/12		HS/16		D70/8		D70/12		D70/16	
Sex	M	F	M	F	M	F	M	F	M	F
Observation										
GASTROINTESTINAL										
LOOSE STOOL	1	1	2	1	2	1	0	0	3	1
DIARRHEA	0	0	0	0	0	0	0	0	1	0
MUCUS IN STOOL	0	0	0	1	0	0	0	0	0	0
OCULAR										
PUPILS DILATED	2	1	2	2	1	0	2	2	1	4
REDNESS	0	0	2	0	3	0	1	1	4	0
DISCHARGE	0	0	1	0	2	0	0	0	1	0
LACRIMATION	1	0	0	0	0	0	1	0	0	1
SQUINTING	0	0	0	0	2	0	1	0	0	0
EXOPHTHALMUS	0	0	1	0	0	0	0	0	0	0
THIRD EYELID EXTENDED	0	0	0	0	0	0	0	0	0	0
SKIN										
ROUGH COAT	3	0	1	0	0	0	1	0	2	0
SORE	0	0	0	1	0	2	1	0	0	0
REDNESS	0	0	0	0	0	0	0	0	0	0
ABSCESS	0	0	0	0	0	0	0	0	0	0
BRUISE	0	1	0	0	0	0	0	0	0	0
SWELLING MOUTH	0	0	0	0	0	0	0	0	0	0
MORTALITIES	0	0	0	1	0	0	2	0	0	0

[a] Data presented as number of animals exhibiting the sign with 5 animals of each sex per group.

TABLE 3

Group Mean Body Weight (grams)[a]

Group/dose (ml/kg/day)	WK-5	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Males				
RL / 16	3088	3281	3385	3472	3639	3605	3380	3321
	±388	114	115	120	131	102	58	89
	(3)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	3280	3414	3475	3599	3750	3782	3722	3567[b]
	±94	90	75	87	90	72	72	129
	(3)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	2896	3189	3242	3292	3547	3517	3439	3429
		±72	71	88	65	85	135	132
	(1)	(4)	(4)	(4)	(4)	(5)	(5)	(5)
HSD / 16	3182	3210	3294	3411	3530	3572	3413	3276
	±63	98	107	133	129	160	149	204
	(4)	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	3150	3215	3311	3398	3556	3402	3184[b]	3057[b]
	±168	68	24	78	64	146	137	204
	(2)	(4)	(4)	(4)	(4)	(5)	(5)	(5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parenthesis.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 3 (cont.)

Group Mean Body Weight (grams)[a]

Group/dose (ml/kg/day)	WK-5	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Males				
HS / 12	3374	3361	3403	3581	3692	3481	3482	3256
		±118	128	87	123	181	236	201
	(1)	(3)	(3)	(3)	(3)	(5)	(5)	(5)
HS / 16	3478	3323	3494	3585	3758	3586	3437	3353[b]
	±1	94	79	69	56	208	224	238
	(2)	(4)	(4)	(4)	(4)	(5)	(5)	(5)
D70 / 8	3111	3360	3363	3450	3532	3440	3420	3331
	±7	64	53	31	51	127	82	167
	(2)	(4)	(4)	(4)	(4)	(5)	(5)	(5)
D70 / 12	3327	3350	3383	3445	3611	3533	3580	3465
	±194	77	92	126	117	198	82	100
	(2)	(4)	(4)	(4)	(4)	(5)	(4)	(3)
D70 / 16	3292	3302	3374	3477	3659	3670	3489	3506
	±166	133	145	146	154	206	229	236
	(2)	(4)	(4)	(4)	(4)	(5)	(5)	(5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parenthesis.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 3 (cont.)

Group Mean Body Weight (grams)[a]

Group/dose (ml/kg/day)	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Females			
RL / 16	2932	3027	3148	3280	3241	3382	3421
	±80	65	50	43	43	110	145
	(3)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	2965	2959	3078	3163	3144	3252	3393[b]
	±52	75	69	87	89	70	76
	(2)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	3155	2966	3057	3102	3133	3070	3070
	±120	123	131	115	143	157	143
	(2)	(5)	(5)	(4)	(5)	(5)	(5)
HSD / 16	2841	2858	3046	3146	3165	3201	3180
	±114	106	93	82	98	126	183
	(3)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	3033	3008	3042	3153	3116	3204	3252
	±114	93	92	108	78	78	70
	(3)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parenthesis.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 3 (cont.)

Group Mean Body Weight (grams)[a]

Group/dose (ml/kg/day)	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Females			
HS / 12	2998	2987	3091	3088	3237	3257	3318
	±153	104	112	61	91	95	118
	(2)	(5)	(5)	(4)	(5)	(5)	(5)
HS / 16	3205	3033	3137	3304	3289	3160	3249
	±54	95	119	108	108	113	189
	(2)	(5)	(5)	(5)	(5)	(4)	(4)
D70 / 8	2891	3087	3226	3368	3408	3518	3569
	±124	101	76	91	59	72	93
	(3)	(5)	(5)	(4)	(5)	(5)	(5)
D70 / 12	2874	2895	3024	2980	3150	3190	3077
	±171	99	111	66	89	76	94
	(3)	(5)	(5)	(3)	(5)	(5)	(5)
D70 / 16	2960	2943	3074	3167	3133	3292	3283
	±176	78	75	66	53	69	110
	(2)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parenthesis.

TABLE 4

Group Mean Water Consumption (ml/day)[a]

Group/Dose (ml/kg/day)	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
						Males						
RL / 16	376.3 ±21.1 (3)	328.6 25.4 (5)	323.4 32.9 (5)	233.0 48.4 (5)	256.4 27.6 (5)	287.2 68.0 (5)	242.2 58.2 (5)	215.2 49.4 (5)	187.2 45.4 (5)	123.4 28.0 (5)	139.8 48.8 (5)	147.0 12.3 (5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parentheses.

TABLE 4 (cont.)

Group Mean Water Consumption (ml/day)[a]

Group/Dose (ml/kg/day)	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
Males												
HSD / 8	309.3 ±66.5 (4)	342.2 25.1 (5)	286.6 59.7 (5)	345.8 45.1 (5)	394.8 42.9 (4)	362.8 33.4 (5)	393.5[c] 31.8 (4)	388.2 18.3 (5)	356.4 11.9 (5)	285.2 46.7 (5)	285.8 20.3 (5)	224.0 33.8 (5)
HSD / 12	270.7 ±37.6 (3)	311.0 50.2 (3)	313.6 41.0 (5)	260.6 47.5 (5)	358.0 61.1 (4)	339.6 48.9 (5)	381.0[c] 55.8 (5)	318.5 41.5 (4)	313.8 35.3 (5)	352.4 48.9 (5)	314.6 40.8 (5)	326.2 43.1 (5)
HSD / 16	269.5 ±35.3 (4)	265.2 29.1 (5)	223.8 31.1 (5)	308.0 61.8 (5)	484.0 111.6 (5)	413.8 83.8 (5)	458.8[c] 87.6 (5)	400.8 88.1 (5)	299.6 52.6 (5)	329.8 45.4 (5)	345.8 37.0 (5)	355.3 60.3 (4)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parentheses.
[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.
[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.
[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.
[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 4 (cont.)

Group Mean Water Consumption (ml/day)[a]

Group/Dose (ml/kg/day)	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
						Males						
HS / 8	330.3 ±24.4 (3)	338.3 37.9 (4)	333.4 55.4 (5)	360.2 58.6 (5)	360.2 50.0 (5)	388.2[c] 48.8 (5)	437.8[c] 71.6 (5)	418.0 59.2 (5)	379.0[c] 45.5 (5)	263.8 45.2 (5)	340.6 28.6 (5)	214.8 49.7 (5)
HS / 12	336.0 - (1)	360.7 ±41.0 (3)	308.0 52.9 (4)	301.4 47.2 (5)	405.6 25.4 (5)	515.8[c] 70.3 (5)	405.8[c] 74.9 (5)	408.8 53.7 (5)	397.4[c] 20.5 (5)	361.2 29.8 (5)	370.6 35.9 (5)	263.2 46.7 (5)
HS / 16	419.0 ±7.0 (3)	379.5 21.0 (4)	285.8 44.3 (5)	223.8 34.6 (5)	502.4 36.2 (5)	587.0[c] 79.1 (5)	475.2[c] 134.3 (5)	482.0 110.5 (5)	478.2[c] 97.9 (5)	412.4 56.5 (5)	471.2 93.3 (5)	374.0 41.1 (5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parentheses.
[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.
[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.
[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.
[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 4 (cont.)

Group Mean Water Consumption (ml/day)[a]

Group/Dose (ml/kg/day)	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
Males												
D70 / 8	236.7	264.7	196.2	301.8	335.0	293.0[e]	201.0[de]	189.2	184.8[e]	197.2	199.2	110.6[b]
	±8.1	26.3	28.3	45.8	53.8	54.2	18.4	19.5	20.9	14.9	26.4	28.4
	(3)	(3)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	270.0	335.5	320.6	261.4	320.6	304.4[e]	236.0[de]	208.4	152.3[e]	285.2	226.0	188.7
	±70.1	52.1	17.1	48.1	48.2	32.7	83.4	55.4	52.9	64.3	19.0	62.6
	(3)	(4)	(5)	(5)	(5)	(5)	(3)	(5)	(4)	(5)	(5)	(3)
D70 / 16	317.7	317.5	345.2	364.8	287.8	258.4[e]	151.0[bde]	186.6[b]	152.0[be]	176.6[b]	159.4[b]	162.0[b]
	±50.3	24.4	39.7	41.2	21.1	41.1	18.4	37.6	24.3	29.2	30.1	39.4
	(3)	(4)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parentheses.
[b] Value is significantly different from the group baseline (Day 0) at p = 0.05% using the Dunnett's test.
[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.
[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.
[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 4 (cont.)

Group Mean Water Consumption (ml/day)[a]

Group/Dose (ml/kg/day)	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
Females												
RL / 16	195.0	226.8	214.8	209.6	183.2	177.2	185.2	185.0	233.6	187.4	193.8	136.2
	±5.9	9.5	38.8	16.9	19.3	45.0	23.8	14.0	39.1	28.6	14.2	23.6
	(3)	(5)	(4)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	184.5	242.2	264.8	276.6	336.2	337.8	311.0	277.4	260.6	269.2	249.4	257.6
	±11.5	12.6	45.4	48.5	28.8	46.6	48.1	46.0	58.9	52.4	35.0	61.7
	(2)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	310.5	274.6	253.6	223.2	317.0	332.8	336.6	304.6	276.0	224.6	261.4	209.4
	±23.5	27.1	14.1	54.8	83.2	48.4	52.7	96.5	45.0	33.8	21.7	47.8
	(2)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	195.7	224.4	226.4	235.8	317.0	305.0	358.8	309.0	326.6	305.0	321.0	309.8
	±18.8	5.6	8.0	27.4	38.6	45.5	25.8	37.0	41.3	39.8	40.2	46.9
	(3)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	213.0	205.2	254.3	310.2	377.4	362.2	367.4	330.2	401.0	338.6	329.4	272.6[b]
	±7.0	7.6	36.6	37.9	31.0	46.2	29.4	17.2	55.3	47.6	53.3	55.4
	(2)	(5)	(4)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 4 (cont.)

Group Mean Water Consumption (ml/day)[a]

Group/Dose (ml/kg/day)	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
Females												
HS / 12	251.0 ±48.0 (2)	258.4 21.5 (5)	244.0 15.0 (5)	221.8 25.6 (5)	333.6 72.4 (5)	372.8 58.0 (5)	306.2 51.0 (5)	299.8 60.2 (5)	314.8 40.1 (5)	360.4 31.3 (5)	378.0 20.6 (5)	368.0[b] 44.8 (5)
HS / 16	341.0 – (1)	285.0 ±45.8 (5)	265.0 38.4 (5)	266.6 13.9 (5)	429.0 19.7 (5)	328.6 82.0 (5)	374.8 28.0 (4)	387.3 9.5 (4)	322.5 27.5 (4)	367.5 26.0 (4)	357.0 23.6 (4)	373.0[b] 52.7 (4)
D70 / 8	323.3 ±18.4 (3)	302.6 58 2 (5)	285.2 36.3 (5)	342.0 29.2 (5)	277.4 56.6 (5)	258.4 16.5 (5)	250.0 24.5 (5)	201.6 42.4 (5)	200.0 48.6 (5)	229.2 43.0 (5)	222.0 16.6 (5)	251.2[c] 41.5 (5)
D70 / 12	202.3 ±10.9 (3)	225.6 5.9 (5)	227.2 10.9 (5)	252.6 24.0 (5)	253.4 52.3 (5)	215.0 39.2 (5)	234.4 37.7 (5)	175.6 26.7 (5)	193.2 50.7 (5)	180.0 56.4 (5)	168.4 56.0 (5)	123.8[c] 54.7 (5)
D70 / 16	207.0 ±26.0 (2)	220.2 7.2 (5)	231.8 8.8 (5)	259.6 40.0 (5)	211.4 43.2 (5)	229.6 20.6 (5)	190.4 26.8 (5)	201.4 23.9 (5)	194.0 42.1 (5)	207.4 34.9 (5)	221.0 39.1 (5)	153.4[c] 28.4 (5)

[a] Data are presented as mean ± standard error of the mean with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 5

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Alanine Aminotransferase (U/l) - Males							
RL / 16	49.50 ±12.19 (5)	54.62 10.26 (5)	63.38 32.49 (5)	55.48 28.25 (5)	54.78 45.25 (5)	45.14 13.46 (5)	41.20 6.70 (5)
HSD / 8	43.92 ±17.51 (5)	43.16 11.09 (5)	40.86 7.85 (5)	35.48 7.41 (5)	36.68 7.14 (5)	29.84 5.42 (5)	42.40 38.45 (5)
HSD / 12	60.18 ±17.70 (5)	55.06 21.68 (5)	63.50 44.11 (5)	57.02 44.64 (5)	47.12 29.41 (5)	38.86 25.15 (5)	29.38 7.48 (5)
HSD / 16	55.96 ±37.05 (5)	50.98 15.77 (5)	39.76 25.34 (5)	42.14 12.34 (5)	45.56 11.37 (5)	48.66 16.14 (5)	47.33 26.37 (4)
HS / 8	51.06 ±18.26 (5)	59.60 20.78 (5)	62.86 21.16 (5)	57.94 20.95 (5)	54.32 16.71 (5)	43.40 8.00 (5)	48.66 21.11 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Alanine Aminotransferase (U/l) - Males							
HS / 12	39.36	45.04	44.94	34.70	35.86	26.30	24.20
	±9.13	13.90	19.07	9.48	8.92	6.74	10.96
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	50.30	51.50	41.22	39.40	41.18	39.74	40.78
	±7.58	10.72	10.71	9.10	6.49	11.03	21.82
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	38.20	46.38	37.76	34.02	30.56	27.48	24.28
	±17.73	16.76	12.30	12.12	11.24	10.36	10.56
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	50.86	54.12	52.08	43.04	40.32	29.33	22.17
	±13.94	13.47	8.93	5.56	7.21	5.46	6.70
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	34.26	46.88	40.28	43.80	52.72	25.02	31.42
	±13.36	15.52	12.70	33.24	39.94	10.05	26.97
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Aspartate Aminotransferase (U/l) - Males							
RL / 16	20.60 ±10.47 (5)	20.38 6.25 (5)	30.08 28.95 (5)	23.60 22.68 (5)	42.36 63.66 (5)	17.66 6.94 (5)	27.10 20.43 (5)
HSD / 8	18.04 ±8.56 (5)	19.32 9.63 (5)	34.24 14.61 (5)	31.48 14.88 (5)	29.02 15.31 (5)	28.92 7.39 (5)	44.76 32.45 (5)
HSD / 12	18.10 ±6.27 (5)	16.88 4.01 (5)	60.28 67.60 (5)	49.24 42.59 (5)	39.40 20.06 (5)	43.56 32.43 (5)	40.18 11.89 (5)
HSD / 16	20.26 ±8.29 (5)	23.96 19.92 (5)	39.26 12.46 (5)	44.86 13.70 (5)	61.60 35.72 (5)	49.86 14.25 (5)	42.00 16.67 (4)
HS / 8	15.94 ±4.94 (5)	26.72 12.10 (5)	27.36 15.30 (5)	18.84 5.39 (5)	15.72 4.44 (5)	16.22 4.75 (5)	23.36 9.04 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Aspartate Aminotransferase (U/l) - Males							
HS / 12	17.34 ±6.33 (5)	23.50 4.90 (5)	21.54 11.02 (5)	20.86 13.63 (5)	18.82 9.16 (5)	21.10 15.85 (5)	24.50 15.89 (5)
HS / 16	21.62 ±8.08 (5)	19.80 4.63 (5)	22.36 12.67 (5)	19.48 10.53 (5)	30.72 22.89 (5)	16.30 8.26 (5)	21.00 6.54 (5)
D70 / 8	17.36 ±9.20 (5)	18.54 5.94 (5)	35.28 18.07 (5)	36.02 17.18 (5)	32.56 14.90 (5)	34.56 10.49 (5)	37.92 11.16 (5)
D70 / 12	18.82 ±5.90 (5)	36.78 43.22 (5)	44.72 13.25 (5)	38.06 5.48 (5)	40.66 7.03 (5)	37.15 6.30 (4)	36.00 2.61 (3)
D70 / 16	17.78 ±4.68 (5)	24.20 14.70 (5)	34.56 9.56 (5)	56.32 43.28 (5)	53.14 37.60 (5)	41.68 13.75 (5)	49.84 17.80 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Alkaline Phosphatase (U/l) - Males							
RL / 16	102.30 ±33.72 (5)	61.20 13.52 (5)	60.00 10.34 (5)	54.92 20.42 (5)	56.88 12.94 (5)	45.66 14.50 (5)	54.08 20.08 (5)
HSD / 8	70.48 ±37.15 (5)	50.42 13.01 (5)	54.42 30.77 (5)	58.72[d] 11.52 (5)	51.56 13.90 (5)	54.10[d] 4.92 (5)	49.38[d] 17.79 (5)
HSD / 12	115.08 ±46.18 (5)	70.92 31.82 (5)	89.36[b] 25.15 (5)	89.30[bd] 24.91 (5)	85.48[b] 30.21 (5)	69.68[d] 29.07 (5)	71.44[d] 28.07 (5)
HSD / 16	93.60 ±38.03 (5)	47.48 19.69 (5)	52.34 11.52 (5)	48.84[d] 12.37 (5)	52.30 9.41 (5)	37.28[d] 14.18 (5)	34.35[d] 8.39 (4)
HS / 8	80.14 ±8.80 (5)	55.06 13.00 (5)	47.34[e] 6.43 (5)	44.96[ce] 10.83 (5)	44.96[e] 8.17 (5)	39.58[ce] 25.60 (5)	32.58[ce] 13.97 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Alkaline Phosphatase (U/l) - Males							
HS / 12	126.42 ±66.59 (5)	75.08 40.37 (5)	59.98[e] 31.06 (5)	55.88[ce] 35.58 (5)	60.36[e] 32.57 (5)	36.14[ce] 22.07 (5)	39.94[ce] 22.18 (5)
HS / 16	113.60 ±68.07 (5)	88.64 84.94 (5)	75.08[e] 78.02 (5)	72.66[ce] 70.54 (5)	67.44[e] 59.48 (5)	45.84[ce] 22.37 (5)	54.46[ce] 50.16 (5)
D70 / 8	117.50 ±24.27 (5)	76.06 18.43 (5)	89.82[d] 17.68 (5)	101.98[bd] 21.88 (5)	98.22[bd] 23.40 (5)	77.34[d] 21.19 (5)	62.36[d] 25.41 (5)
D70 / 12	93.56 ±21.61 (5)	61.66 25.39 (5)	77.80[d] 25.97 (5)	72.48[d] 21.52 (5)	70.58[d] 15.54 (5)	60.60[d] 7.97 (4)	46.93[d] 21.03 (3)
D70 / 16	87.10 ±16.45 (5)	63.66 16.69 (5)	77.92[d] 20.89 (5)	79.60[d] 18.62 (5)	74.00[d] 26.53 (5)	55.28[d] 12.42 (5)	56.72[d] 19.83 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Lactate Dehydrogenase (U/l) - Males							
RL / 16	141.18 ±97.30 (5)	138.30 119.14 (5)	150.02 99.47 (5)	112.80 60.51 (5)	139.86 169.81 (5)	153.86 76.56 (5)	157.06 54.28 (5)
HSD / 8	111.68 ±83.36 (5)	145.18 64.53 (5)	90.08 18.70 (5)	122.62 81.60 (5)	85.72 56.18 (5)	92.04 63.56 (5)	91.82[c] 48.28 (5)
HSD / 12	137.32 ±93.03 (5)	143.50 126.90 (5)	125.68 98.49 (5)	112.72 72.22 (5)	90.50 63.68 (5)	112.62 89.50 (5)	105.34[c] 79.21 (5)
HSD / 16	150.26 ±74.13 (5)	122.86 83.80 (5)	101.22 115.37 (5)	99.84 74.91 (5)	68.44 52.03 (5)	48.64 32.26 (5)	59.73[c] 29.48 (4)
HS / 8	119.80 ±34.94 (5)	178.92 138.79 (5)	174.12 135.04 (5)	135.66 35.66 (5)	94.80 43.28 (5)	92.68 24.48 (5)	159.92[bd] 30.99 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Lactate Dehydrogenase (U/l) - Males							
HS / 12	127.88	125.12	97.10	135.44	89.72	178.82	311.64[bd]
	±72.97	84.92	67.46	44.17	51.17	162.14	192.59
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	255.46	191.66	154.92	203.12	228.12	206.18	250.52[bd]
	±138.07	127.06	100.27	105.43	134.73	164.07	170.05
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	130.20	115.40	100.90	142.76	91.04	102.86	177.94[c]
	±77.05	106.48	58.65	95.26	47.41	60.54	175.68
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	154.20	172.78	191.36	105.88	75.48	71.78	82.60[c]
	±146.77	193.15	75.02	80.23	40.24	15.31	54.27
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	199.60	160.88	115.56	132.32	153.98	131.12	132.46[c]
	±104.23	98.63	91.62	103.94	86.07	98.02	98.58
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Gamma Glutamyl Transpeptidase (U/l) - Males							
RL / 16	6.24 ±2.31 (5)	5.26 2.02 (5)	5.20 1.85 (5)	4.96 2.07 (5)	5.72 2.53 (5)	5.44 0.99 (5)	4.22 1.16 (5)
HSD / 8	6.06 ±2.55 (5)	4.82 2.86 (5)	4.76 2.08 (5)	5.48 1.31 (5)	5.36 1.20 (5)	5.70 0.89 (5)	3.66 1.07 (5)
HSD / 12	7.06 ±1.76 (5)	6.22 1.16 (5)	5.30 1.98 (5)	5.20 2.27 (5)	5.98 1.51 (5)	5.40 0.64 (5)	4.25 2.12 (4)
HSD / 16	11.08 ±7.64 (5)	6.92 2.81 (5)	7.10 2.59 (5)	6.50 3.67 (5)	9.02 0.97 (5)	6.62 1.23 (5)	5.58 0.96 (4)
HS / 8	5.82 ±1.13 (5)	5.46 1.37 (5)	5.34 1.68 (5)	5.14 1.77 (5)	6.58 1.37 (5)	6.86 1.11 (5)	6.04 1.13 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Gamma Glutamyl Transpeptidase (U/l) - Males						
HS / 12	6.32 ±2.04 (5)	5.44 1.75 (5)	4.26 1.81 (5)	4.10 0.97 (5)	6.02 2.90 (5)	5.02 1.50 (5)	3.58 2.53 (5)
HS / 16	6.70 ±1.91 (5)	5.70 1.12 (5)	4.56 1.94 (5)	6.34 1.54 (5)	6.66 1.59 (5)	6.22 0.51 (5)	5.70 3.74 (5)
D70 / 8	6.68 ±1.19 (5)	5.50 0.73 (4)	4.40 2.33 (5)	5.84 1.05 (5)	6.08 1.26 (5)	6.26 0.88 (5)	3.96 0.90 (5)
D70 / 12	7.36 ±1.82 (5)	7.56 1.66 (5)	6.08 2.26 (5)	6.44 1.70 (5)	7.22 1.04 (5)	7.08 1.09 (4)	6.25 1.06 (2)
D70 / 16	5.22 ±1.56 (5)	6.46 1.92 (5)	5.22 2.07 (5)	5.30 1.39 (5)	5.72 1.50 (5)	5.20 0.95 (5)	3.96 2.25 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Creatine Phosphokinase (U/l) - Males							
RL / 16	714.9 ±274.2 (5)	2105.7 510.7 (5)	1828.4 551.8 (5)	1352.5 432.2 (5)	8177.4 16630.3 (5)	913.4 328.8 (5)	1799.2 1263.1 (5)
HSD / 8	797.2 ±344.7 (5)	1607.8 809.9 (5)	1409.5 1002.2 (5)	1286.4 1113.6 (5)	819.7 538.3 (5)	571.1 410.8 (5)	771.0 250.3 (5)
HSD / 12	770.9 ±472.9 (5)	2765.9 2382.6 (5)	1877.5 1379.4 (5)	1238.9 552.7 (5)	1263.9 1124.8 (5)	1083.2 502.6 (5)	956.6 361.1 (5)
HSD / 16	2186.5 ±3324.0 (5)	4163.7 4717.0 (5)	1428.1 631.0 (5)	2785.6 4501.4 (5)	3928.5 6922.1 (5)	585.1 140.0 (5)	424.6 170.1 (4)
HS / 8	534.7 ±167.9 (5)	3759.3 2579.3 (5)	4913.8[b] 6784.7 (5)	2132.0 1158.2 (5)	1577.0 1227.8 (5)	1872.6 1665.0 (5)	1183.7 812.5 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Creatine Phosphokinase (U/l) - Males							
HS / 12	1492.4	6420.6	2627.0[b]	1203.0	1221.1	2357.7	1429.2
	±1919.6	6239.9	1639.0	335.5	578.8	3182.5	739.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	1358.4	2924.6	2164.7[b]	1914.0	2321.6	1253.8	1653.2
	±1385.6	1513.3	1553.3	1267.1	2038.7	751.3	510.8
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	831.4	2860.6	1055.7[c]	1028.0	730.9	613.2	1024.0
	±633.3	2417.7	509.7	543.2	398.8	351.3	625.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	641.2	7572.5	2440.9[c]	1512.9	788.4	703.9	810.4
	±355.7	9993.7	966.4	545.6	225.7	193.1	363.1
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	1171.9	4694.4	1670.6[c]	2859.7	1013.5	814.0	718.8
	±751.5	5135.2	1286.5	4764.4	625.3	656.3	359.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Total Bilirubin (mg/dl) - Males							
RL / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HSD / 8	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HSD / 12	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HSD / 16	0.02 ±0.04 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (4)
HS / 8	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Total Bilirubin (mg/dl) - Males				
HS / 12	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HS / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
D70 / 8	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
D70 / 12	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (4)	0.00 0.00 (3)
D70 / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Cholesterol (mg/dl) - Males				
RL / 16	34.16 ±31.50 (5)	31.40 7.25 (5)	42.94 21.75 (5)	45.48 25.28 (5)	43.18 23.70 (5)	73.30 52.19 (5)	58.10 48.07 (5)
HSD / 8	28.32 ±9.32 (5)	28.52 7.53 (5)	29.66 9.90 (5)	26.84 8.12 (5)	27.84 8.56 (5)	24.14[c] 4.51 (5)	25.98[c] 19.52 (5)
HSD / 12	37.56 ±6.04 (5)	35.52 8.91 (5)	32.02 9.62 (5)	31.68 7.50 (5)	33.08 10.57 (5)	27.22[c] 4.51 (5)	33.86[c] 21.26 (5)
HSD / 16	56.58 ±29.42 (5)	40.92 7.12 (5)	35.48 7.60 (5)	32.24 8.41 (5)	30.22 4.42 (5)	29.16[c] 9.12 (5)	42.90[c] 11.18 (4)
HS / 8	34.46 ±6.67 (5)	33.78 3.97 (5)	33.12 13.02 (5)	41.52 4.90 (5)	44.22 5.54 (5)	48.28[bd] 11.29 (5)	72.96[bd] 39.44 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Cholesterol (mg/dl) - Males				
HS / 12	35.38 ±9.94 (5)	31.22 5.13 (5)	35.46 10.10 (5)	40.00 17.80 (5)	45.44 18.17 (5)	53.40[bd] 28.11 (5)	49.80[bd] 28.80 (5)
HS / 16	27.98 ±7.56 (5)	33.80 4.26 (5)	35.96 4.51 (5)	35.78 3.75 (5)	36.46 5.07 (5)	37.82[bd] 21.45 (5)	45.60[bd] 23.24 (5)
D70 / 8	33.72 ±9.09 (5)	34.12 5.73 (5)	30.32 6.64 (5)	27.64 3.86 (5)	26.98 6.18 (5)	25.82[c] 6.52 (5)	24.70[c] 12.24 (5)
D70 / 12	34.58 ±7.54 (5)	31.90 7.18 (5)	30.64 4.45 (5)	29.10 6.96 (5)	31.50 14.09 (5)	22.15[c] 5.58 (4)	25.50[c] 15.06 (3)
D70 / 16	29.68 ±13.86 (5)	30.64 11.31 (5)	25.84 7.57 (5)	27.26 10.53 (5)	30.92 21.33 (5)	22.36[c] 8.07 (5)	33.46[c] 31.99 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Triglyceride (mg/dl) - Males				
RL / 16	60.2	66.0	62.2	70.4	79.6	61.6	89.8
	±14.5	42.4	27.9	35.1	57.0	18.1	81.7
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	64.2	67.4	56.4	70.2	56.4	71.4	64.4[c]
	±25.6	19.9	12.8	35.7	21.3	43.9	46.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 17	65.8	92.4	62.6	61.4	52.2	68.6	55.8[c]
	±35.3	48.0	29.6	20.5	15.7	32.4	25.8
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	168.8	66.6	45.4	50.4	64.2	62.8	59.3[c]
	±244.5	44.6	13.6	17.5	32.8	27.6	36.8
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	82.8	62.4	57.8	67.0	105.0	64.6	154.8[bd]
	±15.8	30.8	31.4	32.0	58.1	24.5	147.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Study Day				
			Triglyceride (mg/dl) - Males				
HS / 12	105.8	74.8	62.4	113.6	86.8	88.4	86.2[bd]
	±54.1	37.1	22.4	58.5	59.2	75.5	19.8
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	69.8	79.4	77.2	80.0	70.4	71.0	80.4[bd]
	±17.0	43.0	31.7	16.6	7.8	22.8	27.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	83.0	96.8	64.2	59.8	87.6	76.4	47.4[c]
	±38.4	37.4	11.4	33.0	26.6	13.5	11.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	60.8	61.6	66.0	59.6	58.4	37.3	37.3[c]
	±24.0	26.1	34.1	23.6	25.7	11.0	12.9
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	64.6	88.6	76.8	68.6	77.0	38.4	52.2[c]
	±47.6	50.8	61.0	37.7	36.3	5.5	39.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose grou at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Uric Acid (mg/dl) - Males				
RL / 16	0.06	0.00	0.02	0.02	0.04	0.02	0.00
	±0.13	0.00	0.04	0.04	0.05	0.04	0.00
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.26	0.00	0.02	0.00	0.02	0.02	0.00
	±0.15	0.00	0.04	0.00	0.04	0.04	0.00
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	0.26	0.04	0.14	0.12	0.12	0.00	0.00
	±0.19	0.05	0.26	0.22	0.27	0.00	0.00
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.14	0.02	0.02	0.00	0.02	0.00	0.00
	±0.17	0.04	0.04	0.00	0.04	0.00	0.00
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	0.10	0.02	0.04	0.14	0.14	0.00	0.08
	±0.17	0.04	0.05	0.21	0.26	0.00	0.13
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Uric Acid (mg/dl) - Males				
HS / 12	0.14 ±0.17 (5)	0.04 0.05 (5)	0.12 0.22 (5)	0.12 0.27 (5)	0.12 0.22 (5)	0.00 0.00 (5)	0.06 0.09 (5)
HS / 16	0.18 ±0.20 (5)	0.02 0.04 (5)	0.12 0.27 (5)	0.12 0.22 (5)	0.12 0.22 (5)	0.02 0.04 (5)	0.00 0.00 (5)
D70 / 8	0.18 ±0.16 (5)	0.02 0.04 (5)	0.14 0.26 (5)	0.02 0.04 (5)	0.12 0.22 (5)	0.06 0.09 (5)	0.02 0.04 (5)
D70 / 12	0.16 ±0.18 (5)	0.02 0.04 (5)	0.12 0.22 (5)	0.12 0.22 (5)	0.12 0.27 (5)	0.00 0.00 (4)	0.00 0.00 (3)
D70 / 16	0.10 ±0.10 (5)	0.02 0.04 (5)	0.10 0.22 (5)	0.14 0.21 (5)	0.14 0.21 (5)	0.02 0.04 (5)	0.02 0.04 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Study Day				
Total Protein (g/dl) - Males							
RL / 16	5.70 ±0.28 (5)	5.96 0.27 (5)	5.84 0.30 (5)	5.38 0.75 (5)	5.66 0.37 (5)	5.88 0.18 (5)	5.98 0.18 (5)
HSD / 8	5.78 ±0.65 (5)	6.00 0.37 (5)	5.66 0.52 (5)	5.32[b] 0.53 (5)	5.46[h] 0.38 (5)	6.04 0.32 (5)	6.26[h] 0.38 (5)
HSD / 12	5.84 ±0.19 (5)	5.94 0.32 (5)	5.90 0.14 (5)	5.80 0.38 (5)	6.00 0.32 (5)	6.44[b] 0.41 (5)	6.92[b] 0.61 (5)
HSD / 16	6.10 ±0.44 (5)	5.98 0.19 (4)	6.08 0.31 (5)	6.08 0.49 (5)	6.44[f] 0.56 (5)	6.56 0.51 (5)	7.50[bdf] 0.32 (4)
HS / 8	5.88 ±0.19 (5)	5.68 0.13 (5)	5.64 0.38 (5)	5.62 0.22 (5)	5.76 0.57 (5)	5.80 0.35 (5)	5.58 0.34 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's low-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's middle-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's high-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Total Protein (g/dl) - Males							
HS / 12	5.84 ±0.36 (5)	5.94 0.23 (5)	5.70 0.51 (5)	5.60 0.37 (5)	5.84 0.45 (5)	5.78 0.41 (5)	5.84 0.46 (5)
HS / 16	5.92 ±0.40 (5)	6.02 0.49 (5)	5.68 0.34 (5)	5.82 0.29 (5)	5.82 0.49 (5)	5.94 0.37 (5)	5.94[ce] 0.76 (5)
D70 / 8	5.82 ±0.19 (5)	5.96 0.21 (5)	5.70 0.19 (5)	5.66 0.26 (5)	5.80 0.14 (5)	6.22 0.30 (5)	6.48[bh] 0.54 (5)
D70 / 12	5.50 ±0.42 (5)	5.74 0.42 (5)	5.70 0.41 (5)	5.88 0.38 (5)	6.32 0.64 (5)	6.50 0.22 (4)	6.70[h] 0.53 (3)
D70 / 16	5.94 ±0.66 (5)	6.00 0.19 (5)	6.30 0.26 (5)	6.44 0.51 (5)	6.48 0.51 (5)	6.60 1.28 (5)	7.80[bdfg] 0.42 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's low-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's middle-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's high-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Albumin (g/dl) - Males							
RL / 16	4.34 ±0.52 (5)	3.96 0.59 (5)	4.04 0.45 (5)	4.08 0.41 (5)	3.96 0.39 (5)	3.78 0.23 (5)	3.76 0.36 (5)
HSD / 8	4.28 ±0.54 (5)	4.30 0.34 (5)	3.84 0.29 (5)	3.76[d] 0.31 (5)	3.74[dg] 0.38 (5)	3.32[bdg] 0.24 (5)	3.08[bd] 0.35 (5)
HSD / 12	4.28 ±0.31 (5)	4.12 0.50 (5)	3.90 0.29 (5)	3.70[d] 0.37 (5)	3.52[bd] 0.28 (5)	2.96[bd] 0.33 (5)	3.08[bd] 0.28 (5)
HSD / 16	4.48 ±0.29 (5)	3.74 0.26 (5)	3.56 0.18 (5)	3.40[d] 0.19 (5)	3.36[df] 0.19 (5)	2.68[bdf] 0.39 (5)	2.85[bd] 0.25 (4)
HS / 8	4.28 ±0.19 (5)	3.86 0.19 (5)	3.50 1.07 (5)	4.14[ce] 0.26 (5)	4.34[ceg] 0.44 (5)	3.80[ceg] 0.46 (5)	3.38[ce] 0.33 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Albumin (g/dl) - Males							
HS / 12	4.38 ±0.22 (5)	4.14 0.27 (5)	3.76 0.30 (5)	3.88[ce] 0.22 (5)	4.12[ce] 0.51 (5)	3.82[ce] 0.32 (5)	3.94[ce] 0.29 (5)
HS / 16	4.68 ±0.36 (5)	4.22 0.40 (5)	4.08 0.24 (5)	4.18[ce] 0.40 (5)	3.78[cef] 0.49 (5)	3.82[cef] 0.29 (5)	3.74[ce] 0.69 (5)
D70 / 8	4.40 ±0.27 (5)	3.98 0.31 (5)	3.72 0.23 (5)	3.88[d] 0.18 (5)	3.86[dg] 0.19 (5)	3.50[bdg] 0.23 (5)	3.22[bd] 0.13 (5)
D70 / 12	4.30 ±0.43 (5)	3.88 0.19 (5)	3.74 0.15 (5)	3.60[d] 0.24 (5)	3.64[d] 0.33 (5)	3.05[bd] 0.10 (4)	2.60[bd] 0.26 (3)
D70 / 16	4.42 ±0.37 (5)	4.24 0.53 (5)	3.82 0.45 (5)	3.62[d] 0.31 (5)	3.44[bdf] 0.49 (5)	3.00[bdf] 0.37 (5)	2.84[bd] 0.46 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Albumin/Globulin Ratio - Males							
RL / 16	3.44 ±1.46 (5)	2.14 0.78 (5)	2.40 0.84 (5)	3.42 0.94 (5)	2.68 0.99 (5)	1.82 0.36 (5)	1.78 0.54 (5)
HSD / 8	2.96 ±0.63 (5)	2.78 1.14 (5)	2.36 1.02 (5)	2.48[dgh] 0.45 (5)	2.22[dgh] 0.52 (5)	1.22[bd] 0.16 (5)	0.98[bd] 0.18 (5)
HSD / 12	2.78 ±0.55 (5)	2.42 0.77 (5)	2.00 0.35 (5)	1.78[bdf] 0.35 (5)	1.40[bdf] 0.20 (5)	0.88[bd] 0.19 (5)	0.82[bd] 0.08 (5)
HSD / 16	2.86 ±0.67 (5)	1.73 0.37 (4)	1.46 0.25 (5)	1.32[df] 0.30 (5)	1.12[df] 0.22 (5)	0.70[d] 0.10 (5)	0.60[d] 0.08 (4)
HS / 8	2.74 ±0.45 (5)	2.22 0.53 (5)	1.96 0.93 (5)	2.98[ceqh] 0.87 (5)	3.26[ceqh] 0.99 (5)	1.94[ce] 0.50 (5)	1.64[ce] 0.45 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Albumin/Globulin Ratio - Males							
HS / 12	3.20 ±0.84 (5)	2.38 0.54 (5)	1.94 0.44 (5)	2.40[cef] 0.71 (5)	2.72[cef] 1.15 (5)	2.02[ce] 0.45 (5)	2.16[ce] 0.39 (5)
HS / 16	3.90 ±1.01 (5)	2.46 0.80 (5)	3.02 1.75 (5)	2.72[cef] 0.74 (5)	2.26[cef] 1.22 (5)	1.88[ce] 0.44 (5)	1.86[ce] 0.83 (5)
D70 / 8	3.22 ±0.48 (5)	2.00 0.41 (5)	1.94 0.55 (5)	2.18[dgh] 0.34 (5)	2.02[dgh] 0.35 (5)	1.34[bd] 0.37 (5)	1.04[bd] 0.23 (5)
D70 / 12	4.64 ±3.66 (5)	2.12 0.25 (5)	2.02 0.48 (5)	1.58[df] 0.19 (5)	1.38[df] 0.19 (5)	0.90[bd] 0.08 (4)	0.63[bd] 0.06 (3)
D70 / 16	3.02 ±0.57 (5)	2.52 0.77 (5)	1.72 0.72 (5)	1.42[bdf] 0.68 (5)	1.26[bdf] 0.61 (5)	1.04[bd] 0.67 (5)	0.56[bd] 0.09 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Glucose (mg/dl) - Males						
RL / 16	122.72 ±10.68 (5)	108.72 16.82 (5)	122.08 11.39 (5)	123.96 30.38 (5)	126.08 11.33 (5)	112.64 12.26 (5)	121.56 23.02 (5)
HSD / 8	111.18 ±23.14 (5)	117.68 9.83 (5)	110.54 26.02 (5)	117.00 5.96 (5)	128.78 9.29 (5)	122.78 14.58 (5)	120.82 13.74 (5)
HSD / 12	117.66 ±11.66 (5)	111.36 21.57 (5)	119.44 24.56 (5)	109.90 11.28 (5)	120.08 9.01 (5)	118.54 11.65 (5)	113.06 12.02 (5)
HSD / 16	120.70 ±19.75 (5)	119.76 7.17 (5)	115.92 12.87 (5)	124.54 14.33 (5)	130.32 10.60 (5)	127.56 13.29 (5)	137.30 9.21 (4)
HS / 8	127.06 ±11.81 (5)	125.20 11.75 (5)	89.34 42.80 (5)	120.32 11.90 (5)	129.54 22.41 (5)	121.58 14.79 (5)	120.20 27.08 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Glucose (mg/dl) - Males							
HS / 12	161.80 ±61.90 (5)	121.84 17.94 (5)	114.26 16.15 (5)	109.80 15.37 (5)	123.54 8.88 (5)	129.42 21.12 (5)	107.44 10.74 (5)
HS / 16	122.10 ±10.40 (5)	116.90 16.22 (5)	113.04 18.58 (5)	114.56 20.89 (5)	136.84 17.91 (5)	124.42 5.45 (5)	123.98 25.51 (5)
D70 / 8	112.06 ±17.45 (5)	118.66 12.08 (5)	104.08 13.70 (5)	120.46 15.30 (5)	123.50 6.09 (5)	124.14 15.92 (5)	123.52 21.77 (5)
D70 / 12	125.16 ±26.90 (5)	105.82 31.75 (5)	111.12 18.51 (5)	118.58 24.40 (5)	122.90 22.05 (5)	128.98 14.47 (4)	125.83 6.13 (3)
D70 / 16	164.80 ±88.32 (5)	119.94 24.20 (5)	122.96 13.22 (5)	112.66 11.38 (5)	120.48 11.67 (5)	129.42 14.47 (5)	121.84 21.62 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Blood Urea Nitrogen (mg/dl) - Males							
RL / 16	19.40 ±1.65 (5)	17.90 2.72 (5)	16.56 3.06 (5)	14.88 1.86 (5)	13.06 4.33 (5)	13.96 2.29 (5)	15.34 2.15 (5)
HSD / 8	21.24 ±2.84 (5)	17.04 3.17 (5)	15.48 4.13 (5)	12.36 2.98 (5)	12.04 1.49 (5)	15.26 4.43 (5)	12.86 2.60 (5)
HSD / 12	20.28 ±3.68 (5)	16.44 2.09 (5)	14.70 3.53 (5)	12.60[b] 2.14 (5)	13.20[b] 1.52 (5)	14.94 3.89 (5)	17.16 2.90 (5)
HSD / 16	21.30 ±3.37 (5)	15.76 4.08 (5)	15.88 4.14 (5)	12.16 3.86 (5)	14.52 3.85 (5)	15.28 1.82 (5)	15.85 2.69 (4)
HS / 8	21.68 ±2.89 (5)	17.06 4.61 (5)	17.16 6.03 (5)	13.40 2.35 (5)	13.00 2.08 (5)	16.42 2.40 (5)	15.86 3.27 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Blood Urea Nitrogen (mg/dl) - Males							
HS / 12	19.40 ±4.59 (5)	14.58 4.49 (5)	13.20 3.10 (5)	12.72 3.48 (5)	13.26 1.83 (5)	13.78 3.39 (5)	14.80 1.99 (5)
HS / 16	19.52 ±3.08 (5)	15.08 2.67 (5)	14.28 2.39 (5)	12.98 2.92 (5)	14.60 3.02 (5)	17.14 2.81 (5)	14.84 1.99 (5)
D70 / 8	20.72 ±3.25 (5)	16.96 3.19 (5)	16.82 2.64 (5)	14.06 2.79 (5)	14.14 2.44 (5)	14.96 2.72 (5)	14.04 3.57 (5)
D70 / 12	19.50 ±2.08 (5)	16.26 6.47 (5)	14.76 2.82 (5)	12.12 2.73 (5)	13.34 2.22 (5)	14.40 3.42 (4)	12.97 0.49 (3)
D70 / 16	18.54 ±2.21 (5)	14.44 2.21 (5)	13.78 2.73 (5)	12.20 1.14 (5)	12.52 2.24 (5)	11.96 2.89 (5)	15.92 4.53 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Creatinine (mg/dl) - Males						
RL / 16	1.08 ±0.22 (5)	1.42 0.64 (5)	1.58 0.56 (5)	1.04 0.31 (5)	1.04 0.11 (5)	1.16 0.32 (5)	1.00 0.12 (5)
HSD / 8	0.94 ±0.09 (5)	1.00 0.07 (5)	1.08 0.26 (5)	1.00 0.25 (5)	1.14 0.29 (5)	1.20 0.10 (5)	0.90 0.12 (5)
HSD / 12	1.06 ±0.05 (5)	1.48 1.53 (5)	1.00 0.10 (5)	1.04 0.32 (5)	1.10 0.16 (5)	1.18 0.31 (5)	1.14 0.32 (5)
HSD / 16	1.04 ±0.21 (5)	0.96 0.11 (5)	0.96 0.11 (5)	0.88 0.13 (5)	1.12 0.16 (5)	0.92 0.20 (5)	1.05 0.25 (4)
HS / 8	1.10 ±0.12 (5)	0.98 0.16 (5)	1.46 0.42 (5)	1.34 0.27 (5)	1.38 0.36 (5)	1.50 0.37 (5)	1.18 0.28 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Creatinine (mg/dl) - Males				
HS / 12	1.00 ±0.20 (5)	1.02 0.33 (5)	1.16 0.26 (5)	1.12 0.39 (5)	1.04 0.29 (5)	1.24 0.67 (5)	0.96 0.11 (5)
HS / 16	1.00 ±0.10 (5)	0.98 0.08 (5)	1.04 0.21 (5)	0.96 0.22 (5)	1.40 0.43 (5)	1.04 0.05 (5)	1.00 0.16 (5)
D70 / 8	1.04 ±0.17 (5)	0.94 0.17 (5)	1.12 0.29 (5)	1.06 0.42 (5)	1.10 0.40 (5)	1.14 0.32 (5)	1.06 0.27 (5)
D70 / 12	1.12 ±0.13 (5)	1.08 0.25 (5)	0.92 0.16 (5)	1.08 0.16 (5)	1.08 0.15 (5)	1.08 0.05 (4)	1.07 0.06 (3)
D70 / 16	1.06 ±0.22 (5)	0.98 0.49 (5)	1.02 0.24 (5)	1.14 0.30 (5)	1.24 0.56 (5)	0.98 0.13 (5)	1.06 0.19 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day) -7	0	Study Day 1	2	3	7	14
Calcium (mg/dl) - Males						
RL / 16	13.96 ±0.91 (5)	13.64 0.78 (5)	13.26 0.53 (5)	11.32 4.94 (5)	12.76 1.42 (5)	13.28 0.51 (5)	13.84 0.56 (5)
HSD / 8	14.15 ±0.70 (5)	13.96 0.57 (5)	13.83 0.38 (4)	12.56 0.79 (5)	12.50 0.66 (5)	12.66[d] 0.62 (5)	12.54[d] 0.76 (5)
HSD / 12	14.22 ±0.74 (5)	14.08 0.94 (5)	13.38 0.75 (5)	12.80 0.73 (5)	12.82 0.71 (5)	11.78[d] 0.75 (5)	12.70[d] 1.10 (5)
HSD / 16	14.64 ±0.38 (5)	13.36 0.25 (5)	12.96 0.23 (5)	11.94[b] 0.17 (5)	12.42 0.50 (5)	11.04[bd] 0.96 (5)	11.78[bd] 0.71 (4)
HS / 8	14.62 ±0.88 (5)	13.32 0.19 (5)	12.94 0.63 (5)	13.00 0.60 (5)	13.66 0.05 (5)	13.44[ce] 1.00 (5)	12.98[ce] 0.72 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Calcium (mg/dl) - Males				
HS / 12	14.40 ±0.71 (5)	13.62 0.45 (5)	13.14 0.78 (5)	13.10 0.65 (5)	13.58 0.92 (5)	13.06[ce] 1.37 (5)	13.76[ce] 0.83 (5)
HS / 16	14.38 ±0.50 (5)	13.90 0.33 (5)	13.06 0.84 (5)	13.32 1.32 (5)	12.70 1.62 (5)	13.70[ce] 0.76 (5)	13.63[ce] 0.89 (4)
D70 / 8	14.62 ±0.62 (5)	14.14 0.43 (5)	13.10[b] 0.72 (5)	13.08[b] 0.71 (5)	12.98[b] 0.88 (5)	12.60[bd] 0.78 (5)	11.78[bd] 1.07 (5)
D70 / 12	14.46 ±0.55 (5)	13.36 0.21 (5)	13.28 0.31 (5)	12.70 0.37 (5)	12.60 0.19 (5)	11.95[d] 1.92 (4)	11.50[d] 1.61 (3)
D70 / 16	13.98 ±1.00 (5)	13.72 0.70 (5)	13.40 0.68 (5)	12.56[b] 1.06 (5)	12.24[b] 0.95 (5)	11.02[bd] 0.90 (5)	11.72[bd] 0.97 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Phosphorus (mg/dl) - Males				
RL / 16	4.24	3.66	3.90	4.22	4.18	3.92	4.12
	±0.19	0.55	0.99	0.63	0.64	0.49	0.80
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	4.12	3.66	3.40	3.86	3.80	4.16	3.34
	±0.63	1.30	0.41	0.23	0.14	0.53	0.42
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	4.40	3.66	4.38	4.50	4.44	4.34	4.42
	±1.41	1.05	0.73	0.66	0.33	1.35	0.78
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	4.36	3.40	3.36	3.74	4.18	4.20	4.83
	±1.15	0.43	0.40	0.58	0.44	0.77	1.08
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	5.04	3.76	3.74	3.90	4.36	4.20	4.22
	±0.62	0.85	0.40	0.51	0.40	0.64	0.55
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Phosphorus (mg/dl) - Males				
HS / 12	4.88 ±0.69 (5)	3.76 0.66 (5)	3.74 0.42 (5)	4.02 0.69 (5)	4.36 0.54 (5)	4.14 0.83 (5)	4.62 0.92 (5)
HS / 16	4.78 ±1.58 (5)	3.66 1.22 (5)	4.00 0.70 (5)	4.30 0.78 (5)	4.28 1.13 (5)	4.48 0.49 (5)	4.24 0.88 (5)
D70 / 8	4.10 ±0.81 (5)	3.48 1.21 (5)	4.20 0.99 (5)	4.00 0.67 (5)	4.52 0.54 (5)	4.48 1.02 (5)	4.72 0.96 (5)
D70 / 12	4.68 ±0.47 (5)	3.42 1.00 (5)	4.32 0.86 (5)	3.92 0.74 (5)	4.32 0.61 (5)	3.83 0.15 (3)	3.57 0.47 (3)
D70 / 16	4.78 ±0.37 (5)	3.46 1.13 (5)	3.94 0.40 (5)	4.50 0.48 (5)	4.44 0.27 (5)	4.18 0.58 (5)	4.04 0.78 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Sodium (Meq/l) - Males							
RL / 16	146.80 ±4.87 (5)	153.24 7.11 (5)	151.52 1.87 (5)	152.98 1.97 (5)	151.04 3.94 (5)	150.88 1.10 (5)	151.72 1.76 (5)
HSD / 8	143.78 ±7.02 (5)	151.64 0.66 (5)	145.50 12.61 (5)	148.22[c] 5.42 (5)	150.80 2.27 (5)	149.30 4.08 (5)	149.68 4.49 (5)
HSD / 12	148.74 ±1.67 (5)	149.66 0.82 (5)	149.18 2.13 (5)	148.04[c] 1.06 (5)	147.82 2.41 (5)	149.16 1.90 (5)	146.36 1.49 (5)
HSD / 16	148.12 ±2.91 (5)	152.24 2.09 (5)	151.68 0.72 (5)	150.34[c] 3.77 (5)	152.02 6.07 (5)	148.60 2.33 (5)	146.00 3.88 (4)
HS / 8	146.82 ±2.29 (5)	150.90 1.82 (5)	149.86 2.81 (5)	153.82[b] 4.47 (5)	154.60 5.68 (5)	150.06 2.68 (5)	147.90 5.98 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Sodium (Meq/l) - Males				
HS / 12	148.86 ±2.24 (5)	150.64 1.46 (5)	150.62 5.76 (5)	150.86[b] 2.30 (5)	151.36 3.11 (5)	148.34 2.60 (5)	147.40 3.04 (5)
HS / 16	149.88 ±0.91 (5)	151.98 2.41 (5)	152.44 2.98 (5)	153.66[b] 4.55 (5)	150.28 5.25 (5)	150.60 2.82 (5)	147.36 3.49 (5)
D70 / 8	147.36 ±0.92 (5)	151.78 3.06 (5)	149.20 4.43 (5)	150.24 1.77 (5)	149.42 1.54 (5)	148.06 2.79 (5)	147.90 1.78 (5)
D70 / 12	146.14 ±0.97 (5)	150.84 3.43 (5)	150.62 2.33 (5)	149.32 1.69 (5)	149.74 1.73 (5)	149.63 2.26 (4)	146.27 2.23 (3)
D70 / 16	150.58 ±2.45 (5)	150.84 4.31 (5)	151.28 0.53 (5)	150.90 1.51 (5)	150.94 2.71 (5)	145.74 4.52 (5)	148.64 3.67 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Chloride (Meq/l) - Males				
RL / 16	110.8 ±5.9 (5)	114.6 5.3 (5)	113.4 1.7 (5)	110.8 5.7 (5)	113.8 3.1 (5)	113.0 3.3 (5)	116.4 3.0 (5)
HSD / 8	108.0 ±6.7 (5)	114.8 3.4 (5)	111.8 5.7 (5)	113.2 2.5 (5)	114.2 1.5 (5)	114.8 5.2 (5)	114.2 1.3 (5)
HSD / 12	112.6 ±3.4 (5)	112.2 3.1 (5)	115.4 4.8 (5)	112.4 2.9 (5)	113.6 3.2 (5)	114.2 2.4 (5)	111.6 3.9 (5)
HSD / 16	112.6 ±3.6 (5)	112.8 4.0 (5)	114.6 2.9 (5)	115.6 2.3 (5)	115.4 3.4 (5)	113.4 0.5 (5)	112.0 1.8 (4)
HS / 8	110.2 ±7.4 (5)	115.2 3.0 (5)	117.2 2.9 (5)	113.4 2.9 (5)	111.8 3.3 (5)	113.8 5.2 (5)	111.4 5.1 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Chloride (Meq/l) - Males				
HS / 12	110.8 ±3.6 (5)	113.8 1.8 (5)	115.8 3.6 (5)	115.2 3.0 (5)	114.2 2.3 (5)	113.0 3.9 (5)	113.2 5.1 (5)
HS / 16	113.6 ±3.2 (5)	114.8 3.9 (5)	114.4 5.6 (5)	116.4 1.7 (5)	113.2 3.6 (5)	114.4 4.4 (5)	112.4 5.9 (5)
D70 / 8	110.0 ±3.2 (5)	114.0 3.7 (5)	114.2 5.1 (5)	113.0 2.6 (5)	114.0 2.7 (5)	116.0 3.5 (5)	111.0 3.7 (5)
D70 / 12	110.6 ±2.4 (5)	115.4 3.4 (5)	115.2 2.9 (5)	113.0 1.2 (5)	116.2 4.4 (5)	115.3 0.5 (4)	113.0 4.0 (3)
D70 / 16	109.2 ±1.9 (5)	114.2 3.3 (5)	115.2 1.3 (5)	114.8 0.8 (5)	113.8 3.4 (5)	114.2 3.5 (5)	115.8 2.9 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Potassium (Meq/l) - Males				
RL / 16	4.68 ±0.24 (5)	3.96 0.39 (5)	3.96 0.18 (5)	3.90 0.59 (5)	4.42 0.89 (5)	3.70 0.27 (5)	4.00 0.62 (5)
HSD / 8	4.33 ±0.15 (4)	4.04 0.37 (5)	3.80 0.28 (4)	3.86 0.18 (5)	4.12 0.34 (5)	3.94 0.38 (5)	3.64 0.65 (5)
HSD / 12	4.56 ±0.36 (5)	4.04 0.55 (5)	4.08 0.38 (5)	4.06 0.34 (5)	4.10 0.44 (5)	3.94 0.98 (5)	4.36 0.59 (5)
HSD / 16	4.68 ±0.86 (5)	3.88 0.18 (5)	3.76 0.46 (5)	3.88 0.30 (5)	4.18 0.27 (5)	3.92 0.33 (5)	4.20 0.35 (4)
HS / 8	4.84 ±0.23 (5)	3.86 0.32 (5)	4.36 0.89 (5)	3.84 0.33 (5)	4.20 0.69 (5)	4.40 0.57 (5)	3.86 0.53 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Potassium (Meq/l) - Males				
HS / 12	4.70 ±1.21 (5)	3.96 0.09 (5)	3.78 0.48 (5)	3.66 0.38 (5)	4.24 0.53 (5)	3.98 0.56 (5)	4.58 0.80 (5)
HS / 16	4.92 ±0.69 (5)	3.88 0.37 (5)	4.58 1.73 (5)	3.68 0.48 (5)	4.20 0.97 (5)	4.20 0.41 (5)	3.95 0.10 (4)
D70 / 8	4.64 ±0.38 (5)	4.08 0.37 (5)	3.98 0.65 (5)	4.16 0.53 (5)	4.38 0.28 (5)	4.02 0.28 (5)	3.78 0.34 (5)
D70 / 12	5.04 ±1.13 (5)	4.14 0.23 (5)	4.50 0.47 (5)	3.92 0.48 (5)	4.34 0.57 (5)	4.43 0.46 (4)	4.03 0.60 (3)
D70 / 16	4.42 ±0.72 (5)	3.66 0.22 (5)	3.86 0.65 (5)	3.68 0.58 (5)	3.96 0.44 (5)	3.56 0.34 (5)	3 42 0.56 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Iron (µg/dl) - Males				
RL / 16	253.86 ±108.36 (5)	341.46 286.37 (5)	308.56 205.63 (5)	198.76 209.56 (5)	284.76 241.96 (5)	327.82 221.39 (5)	152.34 106.65 (5)
HSD / 8	145.52 ±71.61 (5)	392.84 330.94 (5)	207.64 99.04 (5)	176.90 74.90 (5)	261.84 219.01 (5)	298.54 163.65 (5)	153.00 89.13 (5)
HSD / 12	181.26 ±31.80 (5)	383.18 326.37 (5)	312.90 228.72 (5)	227.72 84.22 (5)	350.32 172.65 (5)	296.24 176.66 (5)	226.54 188.91 (5)
HSD / 16	240.96 ±52.28 (5)	548.32 312.18 (5)	426.28 260.79 (5)	268.74 166.01 (5)	414.14 133.96 (5)	167.46 67.97 (5)	172.35 137.03 (4)
HS / 8	199.68 ±41.60 (5)	493.84 379.86 (5)	444.98 420.68 (5)	332.76 306.76 (5)	359.14 416.08 (5)	596.92 425.97 (5)	114.32 96.37 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Iron (µg/dl) - Males				
HS / 12	218.76 ±30.73 (5)	608.76 424.33 (5)	693.16 347.48 (5)	374.50 353.94 (5)	360.46 338.05 (5)	488.42 414.52 (5)	105.56 65.32 (5)
HS / 16	216.00 ±46.61 (5)	290.22 435.41 (5)	392.88 402.23 (5)	247.66 290.68 (5)	388.74 301.35 (5)	511.22 356.27 (5)	288.04 288.89 (5)
D70 / 8	189.14 ±33.25 (5)	658.42 511.52 (5)	456.82 413.22 (5)	144.06 93.64 (5)	282.08 307.94 (5)	246.04 165.10 (5)	200.86 218.25 (5)
D70 / 12	218.24 ±44.75 (5)	687.24 444.97 (5)	183.18 178.76 (5)	320.74 234.05 (5)	468.10 332.29 (5)	353.03 172.00 (3)	72.87 45.97 (3)
D70 / 16	185.54 ±58.55 (5)	462.86 476.82 (5)	477.14 322.49 (5)	223.26 125.47 (5)	275.38 226.91 (5)	277.70 177.16 (5)	254.84 331.48 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Magnesium (mg/dl) - Males				
RL / 16	1.908	1.680	1.662	1.690	1.616	1.482	1.512
	±0.237	0.153	0.013	0.227	0.259	0.194	0.263
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	1.875	1.766	1.878	1.576	1.606	1.572	1.338[b]
	±0.157	0.172	0.064	0.301	0.173	0.135	0.089
	(4)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	1.860	1.586	1.780	1.624	1.582	1.614	1.468
	±0.080	0.343	0.243	0.092	0.210	0.213	0.189
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	1.840	1.686	1.588	1.672[d]	1.676	1.410	1.388
	±0.211	0.204	0.161	0.209	0.238	0.243	0.107
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	2.054	1.794	1.710	1.702[h]	1.814	1.762	1.608
	±0.093	0.288	0.197	0.334	0.190	0.162	0.117
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's low-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's middle-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's high-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Magnesium (mg/dl) - Males							
HS / 12	2.004 ±0.110 (5)	1.762 0.210 (5)	1.652 0.166 (5)	1.804[h] 0.126 (5)	1.788 0.235 (5)	1.758 0.231 (5)	1.824 0.142 (5)
HS / 16	1.930 ±0.159 (5)	1.760 0.219 (5)	1.860 0.233 (5)	1.424[c,e,f,g] 0.782 (5)	1.720 0.156 (5)	1.712 0.089 (5)	1.748 0.181 (4)
D70 / 8	1.870 ±0.245 (5)	1.790 0.185 (5)	1.648 0.182 (5)	1.514 0.269 (5)	1.588 0.172 (5)	1.662 0.189 (5)	1.482 0.272 (5)
D70 / 12	1.888 ±0.216 (5)	1.654 0.149 (5)	1.654 0.146 (5)	1.580 0.112 (5)	1.610 0.122 (5)	1.605 0.114 (4)	1.427 0.265 (3)
D70 / 16	1.980 ±0.163 (5)	1.786 0.279 (5)	1.642 0.180 (5)	1.760[d] 0.250 (5)	1.554 0.147 (5)	1.380[b] 0.221 (5)	1.352[b] 0.198 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's low-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's middle-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's high-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Alanine Aminotransferase (U/l) - Females						
RL / 16	40.96 ±19.28 (5)	28.26 5.61 (5)	24.90 3.99 (5)	25.66 3.26 (5)	23.40 3.06 (5)	26.80 8.88 (5)	30.54 10.14 (5)
HSD / 8	40.76 ±10.63 (5)	27.88 12.53 (5)	27.70 12.56 (5)	24.70 12.42 (5)	23.86 11.36 (5)	19.82 7.56 (5)	18.40 4.19 (5)
HSD / 12	29.52 ±11.34 (5)	22.34 10.37 (5)	23.30 11.09 (5)	21.60 6.94 (5)	15.96 10.06 (5)	17.42 4.90 (5)	21.80 9.58 (5)
HSD / 16	45.84 ±18.47 (5)	30.46 7.45 (5)	34.96 6.69 (5)	31.74 5.69 (5)	32.12 5.41 (5)	27.68 3.56 (5)	25.56 8.66 (5)
HS / 8	59.12 ±21.32 (5)	25.94 5.91 (5)	25.52 8.55 (5)	24.58 7.99 (5)	27.02 10.70 (5)	24.50 5.31 (5)	24.28 7.82 (5)

[a] Data are presented as the mean ± th standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Alanine Aminotransferase (U/l) - Females							
HS / 12	32.03 ±10.73 (4)	28.26 10.70 (5)	36.00 27.09 (5)	26.90 11.83 (5)	26.78 8.62 (5)	23.30 10.01 (5)	21.38 7.70 (5)
HS / 16	46.68 ±16.96 (5)	30.44 12.29 (5)	27.96 7.64 (5)	26.05 7.05 (4)	24.03 3.66 (4)	25.65 4.97 (4)	21.50 3.54 (4)
D70 / 8	34.18 ±12.90 (5)	28.52 13.30 (5)	29.36 13.85 (5)	25.84 12.81 (5)	20.28 7.77 (5)	16.34 4.13 (5)	18.08 5.72 (5)
D70 / 12	41.35 ±8.19 (4)	28.38 12.41 (5)	25.44 8.09 (5)	24.18 7.20 (5)	22.58 7.78 (5)	23.78 6.02 (5)	22.74 10.63 (5)
D70 / 16	33.48 ±8.27 (5)	26.70 13.01 (5)	24.68 9.81 (5)	21.62 7.06 (5)	20.24 6.42 (5)	17.08 4.21 (5)	16.26 6.95 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Aspartate Aminotransferase (U/l) - Females							
RL / 16	28.02 ±24.07 (5)	10.70 3.64 (5)	10.04 2.94 (5)	9.46 1.90 (5)	10.12 2.75 (5)	10.58 2.48 (5)	18.66 5.94 (5)
HSD / 8	33.42 ±22.18 (5)	13.58 5.83 (5)	22.90 18.95 (5)	20.14 7.33 (5)	20.62 3.57 (5)	19.16[c] 4.77 (5)	19.30[c] 1.94 (5)
HSD / 12	20.96 ±8.09 (5)	17.00 18.21 (5)	21.80 7.02 (5)	21.64 2.88 (5)	19.24 6.31 (5)	21.54[c] 4.17 (5)	41.40[c] 32.56 (5)
HSD / 16	19.10 ±7.61 (5)	9.28 1.76 (5)	27.82 15.27 (5)	28.30 4.71 (5)	31.74 4.52 (5)	29.98[c] 10.15 (5)	26.62[c] 6.96 (5)
HS / 8	49.20 ±26.64 (5)	10.58 2.56 (5)	13.28 3.99 (5)	11.52 2.55 (5)	20.14 17.27 (5)	12.36[b] 3.07 (5)	14.92[bd] 4.04 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Aspartate Aminotransferase (U/l) - Females							
HS / 12	16.35 ±3.26 (4)	22.50 19.46 (5)	27.06 32.92 (5)	14.74 7.45 (5)	17.96 11.56 (5)	9.70[b] 2.64 (5)	12.34[bd] 4.38 (5)
HS / 16	31.26 ±15.72 (5)	11.84 3.06 (5)	9.72 2.54 (5)	9.25 3.28 (4)	8.45 2.80 (4)	12.15[b] 2.73 (4)	13.70[bd] 11.44 (4)
D70 / 8	24.58 ±15.95 (5)	16.44 14.25 (5)	22.46 15.97 (5)	21.70 8.12 (5)	19.24 2.13 (5)	18.06 1.62 (5)	22.16[c] 5.47 (5)
D70 / 12	22.48 ±4.59 (4)	10.54 3.04 (5)	17.92 8.65 (5)	23.52 10.37 (5)	25.64 11.73 (5)	30.16 16.46 (5)	36.88[c] 28.36 (5)
D70 / 16	28.84 ±20.10 (5)	19.28 18.94 (5)	27.84 13.40 (5)	28.48 5.13 (5)	28.88 3.05 (5)	27.58 3.74 (5)	26.08[c] 4.10 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Alkaline Phosphatase (U/l) - Females							
RL / 16	87.06 ±18.19 (5)	75.34 11.82 (5)	65.54 13.15 (5)	67.44 20.33 (5)	60.66 18.72 (5)	59.44 13.63 (5)	53.94 14.21 (5)
HSD / 8	118.10 ±47.79 (5)	103.88 62.06 (5)	117.38 48.81 (5)	120.52 46.84 (5)	132.80 50.79 (5)	123.12 46.35 (5)	121.68 39.11 (5)
HSD / 12	123.86 ±108.18 (5)	74.14 52.48 (5)	92.80 69.60 (5)	97.46 80.90 (5)	94.10 80.56 (5)	94.34 79.96 (5)	84.18 78.96 (5)
HSD / 16	66.82 ±46.47 (5)	67.54 28.52 (5)	79.74 35.15 (5)	74.78 31.11 (5)	71.04 32.96 (5)	64.14 27.63 (5)	50.86 36.57 (5)
HS / 8	132.94 ±60.05 (5)	93.30 27.35 (5)	94.38 16.72 (5)	92.16 13.53 (5)	93.16 12.46 (5)	86.42 5.96 (5)	73.38 18.55 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Alkaline Phosphatase (U/l) - Females				
HS / 12	109.08 ±31.50 (4)	92.00 15.64 (5)	79.44 11.77 (5)	69.52[b] 16.56 (5)	71.90[b] 23.27 (5)	59.42[b] 18.71 (5)	61.86[b] 24.22 (5)
HS / 16	117.68 ±43.36 (5)	84.62 24.01 (5)	77.00 23.52 (5)	69.25 22.45 (4)	68.03 28.04 (4)	63.73 25.27 (4)	59.83 19.18 (4)
D70 / 8	90.58 ±10.16 (5)	81.22 19.61 (5)	86.74 23.97 (5)	81.06 12.02 (5)	77.36 11.97 (5)	83.28 31.78 (5)	69.56 29.66 (5)
D70 / 12	143.38 ±33.88 (4)	92.00 19.92 (5)	102.76 10.94 (5)	108.30 13.49 (5)	101.54 13.64 (5)	86.88 13.05 (5)	86.02 5.83 (5)
D70 / 16	75.24 ±18.57 (5)	55.72 10.82 (5)	70.42[b] 6.94 (5)	72.56[b] 11.90 (5)	71.04[b] 9.22 (5)	66.12 13.02 (5)	58.74 20.38 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Lactate Dehydrogenase (U/l) - Females							
RL / 16	270.70	85.56	84.98	65.20	89.28	86.12	265.04
	±157.21	68.87	71.52	53.11	66.54	97.22	156.26
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	204.06	142.02	92.26	54.04	73.70	104.68	97.14
	±146.02	99.20	23.83	27.23	52.71	52.03	62.88
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	217.08	79.28	58.40	45.02	83.46	58.18	191.16
	±110.39	64.37	26.72	10.76	78.65	45.29	309.21
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	200.18	52.06	119.68	73.18	98.06	61.80	111.76
	±171.21	20.10	83.46	60.08	99.70	60.53	108.35
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	346.92	88.34	127.70	97.60	164.12	84.36	136.64
	±190.20	53.11	91.36	75.13	123.24	18.78	50.59
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Lactate Dehydrogenase (U/l) - Females							
HS / 12	153.95	117.32	86.44	99.50	98.82	90.74	147.62
	±115.17	110.30	49.36	67.49	96.74	68.82	112.76
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	240.78	89.92	47.32	67.98	59.68	68.20	86.00
	±97.40	84.96	21.63	51.56	20.25	20.36	33.12
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	181.40	91.64	81.54	45.58	67.08	50.30	84.60
	±135.30	93.26	44.83	13.18	30.53	25.25	87.18
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	149.68	61.62	74.08	51.24	55.92	73.66	108.06
	±73.55	17.97	34.54	21.57	18.20	25.21	88.60
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	246.04	89.66	64.68	110.54	104.36	96.26	92.88
	±147.69	61.67	38.73	48.18	71.42	109.03	82.38
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Gamma Glutamyl Transpeptidase (U/l) - Females						
RL / 16	6.14 ±1.73 (5)	5.48 0.92 (5)	5.14 0.79 (5)	5.44 0.34 (5)	4.72 1.98 (5)	5.94 1.32 (5)	4.22 1.47 (5)
HSD / 8	6.02 ±0.93 (5)	5.20 1.18 (5)	5.30 2.02 (5)	6.30 1.77 (5)	5.84 1.23 (5)	5.96 1.79 (5)	4.26 1.35 (5)
HSD / 12	5.92 ±1.80 (5)	5.04 1.35 (5)	5.20 2.01 (5)	5.50 1.16 (5)	4.56 1.19 (5)	5.40 1.85 (5)	4.08 2.02 (5)
HSD / 16	6.78 ±1.08 (5)	6.60 0.83 (5)	5.14 3.06 (5)	5.26 1.58 (5)	6.14 1.35 (5)	7.50 2.60 (5)	3.86 1.70 (5)
HS / 8	6.14 ±3.58 (5)	5.82 0.77 (5)	4.92 2.05 (5)	5.12 1.29 (5)	5.48 0.79 (5)	5.06 1.31 (5)	5.40 1.62 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Gamma Glutamyl Transpeptidase (U/l) - Females							
HS / 12	6.00	4.50	4.74	5.28	5.42	4.68	5.04
	±3.91	1.90	1.60	0.73	0.60	0.99	3.12
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	5.96	4.22	4.04	5.45	4.53	4.60	4.58
	±1.30	1.11	1.67	2.30	2.08	1.76	1.30
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	7.22	5.90	4.60	6.22	5.56	5.92	4.00
	±3.19	1.90	1.52	1.95	1.81	0.97	1.01
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	6.65	5.48	4.22	4.58	4.74	4.58	5.68
	±2.03	2.24	0.61	0.44	0.62	0.69	1.27
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	5.92	5.60	5.50	5.44	6.14	5.80	4.78
	±0.98	0.83	1.83	0.59	1.40	1.04	1.48
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Creatine Phosphokinase (U/l) - Females							
RL / 16	9186.9	775.5	768.9	572.1	646.7	903.0	2102.7
	±12083.5	344.0	480.2	122.8	163.0	808.5	2419.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	8974.4	801.8	1504.7	576.7	548.2	699.3	534.6
	±12482.9	530.8	1920.7	440.7	422.0	250.9	325.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	798.1	2896.3	1285.0	533.6	556.1	348.8	1463.2
	±432.5	3286.8	1049.9	340.1	292.0	175.6	2460.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	8172.4	594.6	692.6	594.0	468.9	339.4	402.1
	±11341.4	193.7	452.0	595.1	347.2	183.9	251.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	16621.6	863.5	1050.8	891.0	2942.7	826.4	1261.5
	±14615.0	250.7	465.5	379.9	3810.4	231.7	1040.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Creatine Phosphokinase (U/l) - Females							
HS / 12	833.3	2471.8	1214.2	1697.2	990.5	526.6	1082.2
	±554.6	2315.1	615.6	1954.6	980.6	200.1	714.2
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	5383.5	840.3	601.4	619.8	612.9	1019.0	687.1
	±6849.2	296.0	161.4	337.7	255.3	804.7	242.3
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	4426.8	4141.4	1318.5	563.1	416.1	311.4	456.7
	±8373.8	6604.5	970.2	262.0	125.9	91.5	428.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	1443.9	1548.1	1098.4	628.3	476.0	539.4	525.4
	±1072.8	1133.9	926.9	346.9	247.0	188.0	253.6
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	6788.3	751.1	878.5	632.5	602.3	527.2	555.6
	±8657.2	386.0	593.0	158.8	395.6	473.6	445.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Total Bilirubin (mg/dl) - Females				
RL / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HSD / 8	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HSD / 12	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HSD / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HS / 8	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Total Bilirubin (mg/dl) - Females				
HS / 12	0.00 ±0.00 (4)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
HS / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (4)	0.00 0.00 (4)	0.00 0.00 (4)	0.00 0.00 (4)
D70 / 8	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
D70 / 12	0.00 ±0.00 (4)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)
D70 / 16	0.00 ±0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)	0.00 0.00 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Cholesterol (mg/dl) - Females							
RL / 16	53.80 ±14.48 (5)	40.16 6.30 (5)	37.98 6.82 (5)	36.74 4.88 (5)	38.10 5.41 (5)	40.02 8.87 (5)	44.52 17.40 (5)
HSD / 8	72.60 ±16.16 (5)	64.22 14.39 (5)	55.10[b] 13.89 (5)	50.18[b] 14.31 (5)	44.62[b] 12.36 (5)	40.70[bde] 12.57 (5)	28.46[bd] 5.71 (5)
HSD / 12	86.02 ±34.10 (5)	50.14 14.24 (5)	48.16 12.23 (5)	45.64 9.23 (5)	39.58 10.87 (5)	36.68[bde] 9.14 (5)	29.40[bd] 6.10 (5)
HSD / 16	76.18 ±16.76 (5)	52.20 6.66 (5)	46.22 6.19 (5)	37.48[b] 5.35 (5)	38.12[b] 3.93 (5)	33.82[bde] 8.00 (5)	27.70[bd] 10.06 (5)
HS / 8	72.12 ±7.40 (5)	58.66 20.23 (5)	59.02 16.96 (5)	55.24[e] 12.47 (5)	51.88[e] 8.81 (5)	50.90[ce] 3.10 (5)	58.74[ce] 22.64 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Cholesterol (mg/dl) - Females				
HS / 12	66.40 ±25.62 (4)	54.08 14.01 (5)	51.28 17.81 (5)	51.58[e] 18.44 (5)	48.62[e] 12.08 (5)	53.60[ce] 15.25 (5)	56.96[ce] 19.96 (5)
HS / 16	56.52 ±16.32 (5)	40.34 16.06 (5)	38.98 14.45 (5)	41.95[e] 13.14 (4)	39.65[e] 9.95 (4)	50.88[ce] 13.47 (4)	41.33[ce] 8.78 (4)
D70 / 8	60.70 ±23.40 (5)	60.28 23.70 (5)	49.78 18.03 (5)	43.42[d] 15.21 (5)	39.70[d] 12.88 (5)	34.18[cd] 8.70 (5)	29.00[d] 18.30 (5)
D70 / 12	50.43 ±11.89 (4)	51.48 9.69 (5)	38.86[b] 4.84 (5)	31.40[bd] 5.19 (5)	27.02[bd] 2.58 (5)	23.10[bcd] 4.72 (5)	18.74[bd] 8.20 (5)
D70 / 16	57.72 ±17.21 (5)	43.28 13.04 (5)	30.90[b] 9.45 (5)	26.74[bd] 8.62 (5)	24.16[bd] 8.03 (5)	17.40[bcd] 7.17 (5)	14.34[bd] 6.97 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Study Day				
			Triglyceride (mg/dl) - Females				
RL / 16	50.4	53.8	60.6	49.8	61.6	59.6	69.8
	±15.0	28.3	39.1	13.6	22.0	23.6	27.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	55.4	48.0	56.6	64.0	58.0	63.8	35.2
	±31.7	25.4	15.0	32.9	32.9	22.0	13.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	69.6	47.4	80.0	68.4	61.4	47.0	58.0
	±33.7	9.7	43.2	23.3	29.0	15.7	12.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	69.2	86.4	73.4	86.8	89.6	65.8	69.8
	±48.3	24.4	42.9	41.4	65.2	31.3	82.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	51.0	145.2	122.4	124.6	98.2	125.0	61.8
	±10.2	91.8	44.6	59.5	26.5	53.0	14.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Triglyceride (mg/dl) - Females				
HS / 12	63.8 ±24.7 (4)	86.4 41.7 (5)	111.4 32.0 (5)	160.8 75.5 (5)	147.4 134.4 (5)	110.8 93.6 (5)	107.6 70.9 (5)
HS / 16	65.0 ±23.0 (5)	69.0 19.1 (5)	74.6 27.7 (5)	77.3 22.9 (4)	69.3 16.4 (4)	91.5 34.9 (4)	97.0 58.5 (4)
D70 / 8	48.4 ±19.6 (5)	66.8 30.6 (5)	72.6 24.5 (5)	59.4 15.5 (5)	63.2 23.9 (5)	59.6 27.3 (5)	50.2 13.0 (5)
D70 / 12	46.3 ±24.3 (4)	64.4 37.5 (5)	59.6 28.5 (5)	84.3 27.6 (4)	51.6 18.9 (5)	46.4[b] 21.9 (5)	32.6[b] 9.8 (5)
D70 / 16	46.4 ±10.9 (5)	62.2 38.9 (5)	65.0 36.0 (5)	70.2 31.6 (5)	59.2 27.2 (5)	49.6 13.6 (5)	56.4 55.9 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Uric Acid (mg/dl) - Females				
RL / 16	0.06 ±0.05 (5)	0.04 0.05 (5)	0.06 0.09 (5)	0.06 0.05 (5)	0.12 0.04 (5)	0.08 0.04 (5)	0.10 0.10 (5)
HSD / 8	0.08 ±0.08 (5)	0.06 0.05 (5)	0.04 0.05 (5)	0.04 0.05 (5)	0.10 0.07 (5)	0.08[g] 0.04 (5)	0.08[cfg] 0.04 (5)
HSD / 12	0.08 ±0.08 (5)	0.06 0.05 (5)	0.02 0.04 (5)	0.06 0.05 (5)	0.08 0.04 (5)	0.02 0.04 (5)	0.02[ce] 0.04 (5)
HSD / 16	0.04 ±0.05 (5)	0.10 0.07 (5)	0.04 0.05 (5)	0.08 0.04 (5)	0.04 0.05 (5)	0.00[e] 0.00 (5)	0.12[ce] 0.16 (5)
HS / 8	0.02 ±0.04 (5)	0.08 0.04 (5)	0.08 0.08 (5)	0.08 0.08 (5)	0.08 0.08 (5)	0.16[g] 0.05 (5)	0.32[bdfg] 0.50 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Uric Acid (mg/dl) - Females				
HS / 12	0.05	0.40	0.08	0.04	0.04	0.10	0.08[bde]
	±0.10	0.84	0.04	0.05	0.05	0.00	0.04
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.06	0.08	0.10	0.10	0.15	0.05[e]	0.08[bde]
	±0.09	0.04	0.07	0.08	0.06	0.06	0.05
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	0.08	0.08	0.06	0.10	0.08	0.08[g]	0.06[cfg]
	±0.04	0.04	0.05	0.10	0.04	0.08	0.05
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.10	0.02	0.02	0.04	0.04	0.06	0.04[ce]
	±0.08	0.04	0.04	0.05	0.05	0.05	0.05
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	0.08	0.04	0.08	0.04	0.08	0.02[e]	0.00[ce]
	±0.04	0.05	0.04	0.05	0.04	0.04	0.00
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Total Protein (g/dl) - Females							
RL / 16	6.06 ±0.21 (5)	6.22 0.28 (5)	6.00 0.44 (5)	5.98 0.28 (5)	5.92 0.42 (5)	5.94 0.65 (5)	5.88 0.50 (5)
HSD / 8	6.00 ±0.45 (5)	5.88 0.45 (5)	5.72 0.44 (5)	5.78 0.26 (5)	5.86 0.46 (5)	6.20[gh] 0.74 (5)	6.44[h] 0.38 (5)
HSD / 12	6.48 ±0.44 (5)	6.34 0.18 (5)	6.02 0.44 (5)	6.20 0.41 (5)	6.40 0.57 (5)	7.22[bdf] 0.94 (5)	7.36[bdh] 0.41 (5)
HSD / 16	6.18 ±0.41 (5)	6.10 0.22 (5)	6.40 0.23 (5)	6.56 0.47 (5)	6.88[bd] 0.54 (5)	7.58[bdf] 0.44 (5)	8.06[bdfg] 0.39 (5)
HS / 8	6.34 ±0.41 (5)	6.20 0.80 (5)	6.06 0.76 (5)	6.18 0.62 (5)	6.24 0.62 (5)	6.00 0.57 (5)	6.00 0.44 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's low-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's middle-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's high-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Total Protein (g/dl) - Females							
HS / 12	6.00 ±0.50 (4)	6.14 0.43 (5)	5.96 0.36 (5)	5.92 0.48 (5)	5.92 0.40 (5)	5.76[ce] 0.55 (5)	5.76[ce] 0.46 (5)
HS / 16	6.14 ±0.19 (5)	6.10 0.32 (5)	5.94 0.42 (5)	5.93 0.56 (4)	5.93[ce] 0.61 (4)	5.95[ce] 0.53 (4)	5.55[ce] 0.39 (4)
D70 / 8	6.24 ±0.25 (5)	6.30 0.29 (5)	6.06 0.18 (5)	6.08 0.25 (5)	6.14 0.44 (5)	6.52[h] 0.98 (5)	6.72[gh] 0.37 (5)
D70 / 12	6.20 ±0.22 (4)	6.20 0.16 (5)	6.14 0.34 (5)	6.42 0.56 (5)	6.72 0.28 (5)	7.18[bdh] 0.41 (5)	8.06[bdf] 0.34 (5)
D70 / 16	6.08 ±0.15 (5)	6.06 0.19 (5)	6.14 0.44 (5)	6.50 0.76 (5)	6.78[d] 0.52 (5)	8.10[bdfg] 0.68 (5)	8.32[bdf] 0.82 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's low-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's middle-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the dose and solution group indicated is significantly different from the mean of the respective solution's high-dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Albumin (g/dl) - Females				
RL / 16	4.42 ±0.22 (5)	4.50 0.23 (5)	4.44 0.34 (5)	4.36 0.24 (5)	4.32 0.34 (5)	4.40 0.20 (5)	4.60 0.65 (5)
HSD / 8	4.38 ±0.31 (5)	3.94 0.49 (5)	3.92 0.37 (5)	3.86[d] 0.38 (5)	3.70[d] 0.35 (5)	3.76[dgh] 0.42 (5)	3.44[d] 0.31 (5)
HSD / 12	4.64 ±0.44 (5)	4.60 0.35 (5)	4.14[b] 0.23 (5)	3.92[bd] 0.22 (5)	3.64[bd] 0.34 (5)	3.50[bdf] 0.25 (5)	3.16[bd] 0.19 (5)
HSD / 16	4.56 ±0.38 (5)	4.44 0.34 (5)	4.32 0.22 (5)	3.82[bd] 0.22 (5)	3.76[bd] 0.38 (5)	3.34[bdf] 0.19 (5)	3.34[bd] 0.43 (5)
HS / 8	4.68 ±0.19 (5)	4.44 0.67 (5)	4.48 0.38 (5)	4.40[ce] 0.37 (5)	4.34[ce] 0.34 (5)	4.64[cegh] 0.22 (5)	4.54[ce] 0.49 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
			Albumin (g/dl) - Females			
HS / 12	4.53 ±0.43 (4)	4.34 0.18 (5)	4.18 0.22 (5)	4.24[ce] 0.25 (5)	3.96[ce] 0.50 (5)	4.22[cef] 0.18 (5)	4.40[ce] 0.19 (5)
HS / 16	4.68 ±0.28 (5)	4.50 0.10 (5)	4.36 0.33 (5)	4.43[ce] 0.34 (4)	4.23[ce] 0.28 (4)	4.30[cef] 0.33 (4)	4.38[ce] 0.29 (4)
D70 / 8	4.68 ±0.28 (5)	4.60 0.31 (5)	4.16[b] 0.25 (5)	3.96[bd] 0.11 (5)	4.00[bd] 0.10 (5)	3.94[bdgh] 0.36 (5)	3.72[bd] 0.13 (5)
D70 / 12	4.45 ±0.26 (4)	4.50 0.23 (5)	4.04 0.30 (5)	3.94[bd] 0.32 (5)	3.70[bd] 0.20 (5)	3.42[bdf] 0.40 (5)	3.24[bd] 0.32 (5)
D70 / 16	4.52 ±0.26 (5)	4.34 0.17 (5)	3.96[b] 0.13 (5)	3.66[bd] 0.21 (5)	3.50[bd] 0.24 (5)	3.40[bdf] 0.20 (5)	3.04[bd] 0.23 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Albumin/Globulin Ratio - Females							
RL / 16	2.74 ±0.43 (5)	2.84 0.89 (5)	2.80 0.44 (5)	2.86 0.91 (5)	2.76 0.73 (5)	3.24 1.15 (5)	4.36 2.62 (5)
HSD / 8	2.70 ±0.44 (5)	2.12 0.62 (5)	2.20 0.21 (5)	2.06[d] 0.49 (5)	1.86[d] 0.57 (5)	1.54[dgh] 0.21 (5)	1.18[bd] 0.28 (5)
HSD / 12	2.56 ±0.59 (5)	2.66 0.55 (5)	2.24 0.52 (5)	1.86[bd] 0.66 (5)	1.54[bd] 0.77 (5)	1.04[bdf] 0.46 (5)	0.76[bd] 0.15 (5)
HSD / 16	2.82 ±0.51 (5)	2.68 0.54 (5)	2.16 0.61 (5)	1.42[bd] 0.31 (5)	1.24[bd] 0.35 (5)	0.80[bdf] 0.12 (5)	0.70[bd] 0.10 (5)
HS / 8	3.04 ±1.20 (5)	2.66 0.93 (5)	2.88 0.46 (5)	2.64[ce] 0.74 (5)	2.42[ce] 0.50 (5)	3.76[cegh] 1.34 (5)	3.30[ce] 1.09 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Albumin/Globulin Ratio - Females						
HS / 12	3.15 ±0.70 (4)	2.44 0.35 (5)	2.36 0.23 (5)	2.70[ce] 0.60 (5)	2.12[ce] 0.54 (5)	3.00[cef] 1.17 (5)	3.50[ce] 1.04 (5)
HS / 16	3.28 ±0.64 (5)	2.86 0.47 (5)	2.78 0.41 (5)	3.10[ce] 0.62 (4)	2.58[ce] 0.48 (4)	2.70[cef] 0.68 (4)	4.13[ce] 1.62 (4)
D70 / 8	3.20 ±0.86 (5)	2.72 0.45 (5)	2.22 0.33 (5)	1.90[bd] 0.31 (5)	1.88[bd] 0.43 (5)	1.58[bdgh] 0.38 (5)	1.26[bd] 0.18 (5)
D70 / 12	2.75 ±0.87 (4)	2.70 0.34 (5)	2.08 0.68 (5)	1.74[bd] 0.73 (5)	1.22[bd] 0.18 (5)	0.92[bdf] 0.15 (5)	0.68[bd] 0.18 (5)
D70 / 16	2.94 ±0.48 (5)	2.66 0.61 (5)	1.84[b] 0.30 (5)	1.40[bd] 0.41 (5)	1.10[bd] 0.21 (5)	0.74[bdf] 0.13 (5)	0.58[bd] 0.13 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Glucose (mg/dl) - Females				
RL / 16	114.92 ±4.91 (5)	114.30 6.10 (5)	119.52 20.10 (5)	133.56 35.18 (5)	123.06 20.40 (5)	112.80 6.86 (5)	123.84 18.11 (5)
HSD / 8	125.42 ±14.49 (5)	117.62 17.73 (5)	122.18 12.36 (5)	123.64 16.89 (5)	120.68 17.43 (5)	127.26 30.07 (5)	125.06 8.02 (5)
HSD / 12	134.40 ±24.16 (5)	120.06 9.60 (5)	114.84 8.83 (5)	126.50 8.63 (5)	128.32 12.82 (5)	119.38 11.08 (5)	144.80 41.82 (5)
HSD / 16	122.30 ±10.41 (5)	103.48 47.60 (5)	113.82 25.40 (5)	122.38 10.58 (5)	128.02 10.49 (5)	125.30 14.31 (5)	131.70 12.39 (5)
HS / 8	125.48 ±12.13 (5)	121.56 18.73 (5)	124.28 18.26 (5)	136.22 19.40 (5)	130.96 21.00 (5)	109.86 8.77 (5)	137.78 24.48 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Glucose (mg/dl) - Females				
HS / 12	120.93 ±9.56 (4)	185.96 123.62 (5)	135.14 16.71 (5)	126.94 8.69 (5)	131.86 16.56 (5)	129.66 20.81 (5)	116.18 36.34 (5)
HS / 16	113.18 ±15.60 (5)	121.04 18.16 (5)	131.72 8.62 (5)	132.55 13.18 (4)	126.75 10.49 (4)	124.53 17.70 (4)	127.53 8.19 (4)
D70 / 8	127.44 ±6.32 (5)	123.86 16.31 (5)	120.90 16.44 (5)	129.06 9.61 (5)	118.74 11.00 (5)	116.34 4.90 (5)	127.54 4.19 (5)
D70 / 12	117.15 ±8.66 (4)	123.30 7.74 (5)	121.22 16.30 (5)	126.48 15.97 (5)	122.80 15.57 (5)	114.58 13.64 (5)	137.72 3.41 (5)
D70 / 16	120.02 ±13.04 (5)	113.44 20.21 (5)	119.32 18.52 (5)	130.02 12.71 (5)	128.30 9.99 (5)	127.08 6.26 (5)	140.06 21.91 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[1]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Blood Urea Nitrogen (mg/dl) - Females							
RL / 16	22.38 ±2.46 (5)	18.04 3.01 (5)	17.36 2.26 (5)	18.52 1.90 (5)	15.56 2.06 (5)	16.74 3.36 (5)	21.78 4.11 (5)
HSD / 8	20.20 ±3.61 (5)	16.96 1.67 (5)	16.00 2.16 (5)	15.10 2.24 (5)	16.28 1.69 (5)	19.24 4.37 (5)	20.78 2.53 (5)
HSD / 12	23.14 ±2.41 (5)	17.76 1.22 (5)	16.98 1.79 (5)	17.40 1.40 (5)	15.42 0.86 (5)	16.12 3.99 (5)	26.94 18.67 (5)
HSD / 16	20.32 ±3.06 (5)	14.98 6.06 (5)	18.50 5.44 (5)	16.06 2.93 (5)	17.22 2.48 (5)	17.74 3.13 (5)	19.98 2.35 (5)
HS / 8	20.92 ±3.23 (5)	17.34 2.00 (5)	15.52 2.50 (5)	16.94 2.72 (5)	18.38 3.36 (5)	17.46 1.74 (5)	16.36 2.91 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Blood Urea Nitrogen (mg/dl) - Females							
HS / 12	19.10 ±2.37 (4)	17.86 3.07 (5)	18.62 4.13 (5)	17.28 3.12 (5)	16.96 4.02 (5)	15.38 2.04 (5)	18.90 2.09 (5)
HS / 16	18.76 ±2.44 (5)	17.30 1.58 (5)	16.12 2.37 (5)	14.88 3.80 (4)	16.28 2.50 (4)	13.70 2.20 (4)	17.38 5.12 (4)
D70 / 8	20.62 ±3.16 (5)	19.00 3.70 (5)	16.56 1.96 (5)	14.88 3.35 (5)	15.64 3.03 (5)	15.26 3.77 (5)	15.78 3.36 (5)
D70 / 12	21.78 ±4.25 (4)	17.80 2.71 (5)	17.30 2.10 (5)	17.16 1.12 (5)	15.90 0.64 (5)	17.08 3.17 (5)	17.02 2.78 (5)
D70 / 16	21.34 ±3.53 (5)	17.60 3.09 (5)	16.94 3.35 (5)	15.00 2.39 (5)	14.84 1.51 (5)	17.54 3.49 (5)	21.22 6.38 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
			Creatinine (mg/dl) - Females			
RL / 16	1.10 ±0.10 (5)	1.24 0.13 (5)	1.14 0.09 (5)	1.22 0.18 (5)	1.38 0.39 (5)	1.58 0.75 (5)	1.18 0.18 (5)
HSD / 8	1.02 ±0.13 (5)	1.04 0.22 (5)	0.98 0.11 (5)	1.06 0.11 (5)	1.18 0.13 (5)	1.22 0.31 (5)	1.06 0.11 (5)
HSD / 12	1.08 ±0.11 (5)	0.96 0.15 (5)	1.08 0.23 (5)	1.10 0.14 (5)	1.06 0.13 (5)	1.18 0.20 (5)	1.18 0.45 (5)
HSD / 16	1.02 ±0.24 (5)	0.82 0.44 (5)	0.94 0.27 (5)	1.36 0.67 (5)	1.12 0.25 (5)	1.34 0.24 (5)	1.14 0.13 (5)
HS / 8	1.22 ±0.40 (5)	1.54 0.89 (5)	1.36 0.71 (5)	1.16 0.17 (5)	1.42 0.35 (5)	1.22 0.28 (5)	1.16 0.18 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Creatinine (mg/dl) - Females				
HS / 12	1.03	1.10	1.08	1.14	1.20	1.12	1.10
	±0.25	0.19	0.19	0.23	0.28	0.16	0.07
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.98	1.12	1.04	1.10	0.93	1.48	1.20
	±0.13	0.39	0.21	0.16	0.22	0.52	0.54
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	1.06	1.00	1.04	1.08	0.92	1.04	0.96
	±0.11	0.16	0.34	0.41	0.08	0.27	0.17
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	1.08	0.98	0.90	0.94	1.06	0.98	1.06
	±0.10	0.08	0.16	0.05	0.13	0.08	0.21
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	1.10	1.00	1.04	1.08	1.14	1.18	1.12
	±0.19	0.14	0.15	0.15	0.11	0.13	0.23
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Calcium (mg/dl) - Females				
RL / 16	14.42 ±1.25 (5)	14.34 0.75 (5)	13.80 0.31 (5)	14.12 0.57 (5)	13.98 0.62 (5)	14.12 0.84 (5)	14.08 1.26 (5)
HSD / 8	13.90 ±1.60 (5)	14.06 0.78 (5)	13.36 0.36 (5)	13.70 0.61 (5)	13.50 1.01 (5)	13.32[dg] 1.10 (5)	12.40[bd] 0.64 (5)
HSD / 12	14.56 ±1.24 (5)	14.54 0.60 (5)	13.22[b] 0.44 (5)	13.40[b] 0.44 (5)	13.12[b] 0.93 (5)	12.64[bd] 0.94 (5)	11.82[bd] 0.49 (5)
HSD / 16	14.53 ±1.13 (4)	14.78 0.87 (5)	14.00 0.58 (5)	13.30[b] 0.50 (5)	13.22[b] 0.68 (5)	12.36[bdf] 0.80 (5)	11.94[bd] 0.56 (5)
HS / 8	13.86 ±1.32 (5)	13.90 1.02 (5)	14.52 0.85 (5)	14.52 0.56 (5)	14.26[e] 1.08 (5)	14.70[ceg] 0.72 (5)	13.44[ce] 0.77 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Calcium (mg/dl) - Females				
HS / 12	13.83 ±0.73 (4)	14.24 0.86 (5)	13.40 0.68 (5)	13.86 0.34 (5)	13.38[e] 0.75 (5)	14.58[ce] 0.92 (5)	13.36[ce] 0.76 (5)
HS / 16	14.48 ±1.03 (5)	14.96 0.65 (5)	14.24 0.37 (5)	14.03 0.48 (4)	14.35[e] 0.25 (4)	13.00[cef] 2.05 (4)	12.90[ce] 0.80 (4)
D70 / 8	14.50 ±0.67 (5)	14.22 1.17 (5)	13.36 1.02 (5)	13.72 0.22 (5)	13.66[d] 0.44 (5)	13.10[dg] 1.65 (5)	12.32[bd] 0.57 (5)
D70 / 12	14.58 ±1.15 (4)	14.52 0.71 (5)	13.40[b] 1.08 (5)	13.76 0.53 (5)	13.14[bd] 0.92 (5)	12.64[bd] 0.95 (5)	11.86[bd] 0.71 (5)
D70 / 16	13.14 ±1.79 (5)	14.40 0.49 (5)	13.38[b] 0.19 (5)	13.26[b] 0.44 (5)	13.16[bd] 0.34 (5)	13.28[bdf] 0.82 (5)	11.54[bd] 0.61 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	1.
			Phosphorus (mg/dl) - Females				
RL / 16	3.98 ±0.55 (5)	3.52 0.85 (5)	3.26 0.42 (5)	3.70 0.46 (5)	4.00 0.72 (5)	4.28 0.65 (5)	4.68 1.39 (5)
HSD / 8	4.26 ±0.65 (5)	3.80 0.84 (5)	3.66 0.42 (5)	4.16 0.11 (5)	4.50 0.21 (5)	4.50 0.57 (5)	4.38 0.67 (5)
HSD / 12	4.16 ±0.61 (5)	2.84 0.54 (5)	3.30 0.67 (5)	3.40 0.43 (5)	4.00 0.66 (5)	4.02 0.59 (5)	4.30 0.73 (5)
HSD / 16	3.96 ±1.12 (5)	3.90 0.70 (5)	3.82 0.68 (5)	4.10 0.43 (5)	4.50 0.29 (5)	4.50 0.67 (5)	4.70 0.91 (5)
HS / 8	3.92 ±0.73 (5)	3.68 0.65 (5)	3.64 0.57 (5)	4.32 0.23 (5)	4.50 0.99 (5)	4.32 0.31 (5)	4.96[d] 0.96 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Phosphorus (mg/dl) - Females				
HS / 12	4.43	4.46	3.52	4.00	4.12	4.50	5.22[d]
	±0.49	1.16	0.50	0.51	0.73	0.75	0.86
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	4.14	3.80	3.72	4.40	4.28	4.33	5.00[d]
	±0.66	1.02	0.39	0.48	0.42	0.73	0.43
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	4.38	3.34	3.06	3.70	3.74	3.96	3.60[c]
	±1.02	0.89	0.59	0.68	0.36	0.32	0.70
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	4.13	3.62	3.50	3.82	4.22	4.16	4.02[c]
	±0.59	1.16	0.51	0.44	0.51	0.55	0.89
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	3.86	3.48	3.38	4.06	3.98	4.52[b]	4.24[c]
	±1.04	0.64	0.40	0.50	0.50	0.66	1.05
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Sodium (Meq/l) - Females				
RL / 16	145.92 ±1.64 (5)	148.72 1.69 (5)	147.24 1.49 (5)	147.96 2.12 (5)	148.18 2.31 (5)	147.94 1.87 (5)	148.68 3.92 (5)
HSD / 8	147.98 ±1.94 (5)	147.56 1.40 (5)	147.78 0.93 (5)	146.38 0.52 (5)	145.56 0.93 (5)	144.88[b] 0.93 (5)	144.42[b] 1.40 (5)
HSD / 12	147.60 ±3.42 (5)	147.16 0.59 (5)	148.02 1.65 (5)	147.56 2.51 (5)	145.40 2.18 (5)	144.56 0.46 (5)	146.46 6.32 (5)
HSD / 16	143.86 ±5.04 (5)	147.38 1.29 (5)	147.92 1.10 (5)	147.08 1.28 (5)	146.52 1.61 (5)	145.50[b] 0.80 (5)	145.12[b] 1.89 (5)
HS / 8	149.86 ±1.05 (5)	145.06 9.13 (5)	148.26 3.64 (5)	148.32 1.34 (5)	147.62 4.21 (5)	148.32 1.74 (5)	147.98 2.48 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Sodium (Meq/l) - Females				
HS / 12	146.88 ±0.89 (4)	147.38 1.74 (5)	150.22 6.65 (5)	148.20 3.18 (5)	147.54 3.24 (5)	146.54 1.27 (5)	144.82 1.02 (5)
HS / 16	148.14 ±2.73 (5)	147.78 2.14 (5)	147.82 1.40 (5)	146.95[b] 1.42 (4)	147.55 1.41 (4)	146.50[b] 1.01 (4)	146.15[b] 1.51 (4)
D70 / 8	148.78 ±3.30 (5)	148.28 0.67 (5)	147.20 0.72 (5)	147.18 1.50 (5)	147.16 1.25 (5)	145.92[b] 1.15 (5)	145.06[b] 0.57 (5)
D70 / 12	146.23 ±2.32 (4)	148.64 2.09 (5)	147.88 1.93 (5)	146.48[b] 1.87 (5)	146.58[b] 1.14 (5)	145.88[b] 1.21 (5)	144.82[b] 0.90 (5)
D70 / 16	145.56 ±4.34 (5)	148.58 1.52 (5)	147.72 1.69 (5)	145.72[b] 0.49 (5)	145.68[b] 0.88 (5)	145.42[b] 1.37 (5)	144.46[b] 1.40 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Chloride (Meq/l) - Females							
RL / 16	114.6 ±4.0 (5)	114.8 6.3 (5)	113.2 2.8 (5)	115.0 0.7 (5)	114.4 3.6 (5)	112.2 4.1 (5)	112.2 2.3 (5)
HSD / 8	115.4 ±4.7 (5)	115.3 2.2 (4)	113.8 1.6 (5)	112.0 2.9 (5)	111.8 3.2 (5)	111.8 3.6 (5)	110.0 2.1 (5)
HSD / 12	114.0 ±6.4 (5)	113.0 3.3 (5)	112.6 2.6 (5)	112.8 3.2 (5)	114.0 3.2 (5)	110.2 2.2 (5)	114.4[c] 5.9 (5)
HSD / 16	111.0 ±7.2 (5)	112.2 4.8 (5)	109.4 3.1 (5)	111.6 2.8 (5)	112.0 2.9 (5)	110.2 4.3 (5)	111.4 3.2 (5)
HS / 8	116.2 ±3.3 (5)	107.8 9.8 (5)	113.2 3.2 (5)	112.6 4.3 (5)	113.4 3.0 (5)	112.0 3.8 (5)	112.6 3.4 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Chloride (Meq/l) - Females							
HS / 12	115.8 ±3.4 (4)	112.6 2.7 (5)	113.4 6.2 (5)	111.2 2.6 (5)	114.4 3.6 (5)	109.8 3.3 (5)	106.8[b] 2.2 (5)
HS / 16	115.4 ±4.4 (5)	112.4 3.2 (5)	112.0 4.7 (5)	112.5 1.9 (4)	115.5 5.2 (4)	107.0 3.2 (4)	113.3 3.3 (4)
D70 / 8	116.6 ±1.5 (5)	114.2 3.4 (5)	110.4 3.5 (5)	111.8 1.6 (5)	112.6 1.5 (5)	111.2 1.5 (5)	110.6 1.8 (5)
D70 / 12	114.3 ±1.5 (4)	113.4 3.9 (5)	110.0 2.0 (5)	112.8 2.6 (5)	112.2 3.7 (5)	109.8 3.6 (5)	111.0 2.3 (5)
D70 / 16	113.4 ±3.7 (5)	115.6 4.9 (5)	113.6 0.9 (5)	112.8 0.8 (5)	113.4 3.0 (5)	111.6 2.7 (5)	111.4 4.5 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Potassium (Meq/l) - Females				
RL / 16	4.46 ±0.54 (5)	4.08 0.23 (5)	4.30 0.44 (5)	4.32 0.28 (5)	4.28 0.55 (5)	3.88 0.13 (5)	4.66 1.05 (5)
HSD / 8	4.38 ±0.50 (5)	4.08 0.33 (5)	4.00 0.42 (5)	3.90 0.34 (5)	4.00 0.27 (5)	4.06 0.21 (5)	4.02 0.28 (5)
HSD / 12	4.16 ±0.49 (5)	3.82 0.23 (5)	3.96 0.38 (5)	4.20 0.50 (5)	4.18 0.60 (5)	4.10 0.46 (5)	4.12 0.41 (5)
HSD / 16	14.04 ±21.61 (5)	4.30 0.21 (5)	4.64 0.49 (5)	4.46 0.45 (5)	4.32 0.46 (5)	4.18 0.30 (5)	4.86 0.76 (5)
HS / 8	4.32 ±0.84 (5)	3.92 0.73 (5)	4.22 0.83 (5)	4.10 0.42 (5)	4.16 0.50 (5)	4.20 0.36 (5)	4.64 1.32 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Potassium (Meq/l) - Females				
HS / 12	4.68 ±0.38 (4)	4.20 0.43 (5)	4.00 0.43 (5)	4.12 0.25 (5)	4.36 0.25 (5)	4.30 0.29 (5)	4.58 0.20 (5)
HS / 16	4.66 ±0.30 (5)	4.22 0.33 (5)	4.28 0.34 (5)	4.65 0.81 (4)	4.38 0.28 (4)	4.05 0.49 (4)	3.98 1.03 (4)
D70 / 8	4.36 ±0.23 (5)	3.90 0.35 (5)	4.04 0.58 (5)	3.82 0.23 (5)	4.10 0.37 (5)	3.94 0.31 (5)	3.92 0.37 (5)
D70 / 12	4.50 ±0.29 (4)	4.10 0.26 (5)	4.04 0.36 (5)	4.08 0.46 (5)	4.08 0.25 (5)	3.96 0.60 (5)	4.20 0.48 (5)
D70 / 16	4.64 ±0.47 (5)	3.96 0.23 (5)	4.10 0.16 (5)	4.26 0.38 (5)	4.18 0.24 (5)	4.30 0.41 (5)	4.18 0.52 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Iron (µg/dl) - Females				
RL / 16	165.88	418.82	334.76	377.60	471.04	379.54	125.72
	±38.53	133.01	119.77	69.34	291.59	169.98	63.02
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	181.53	265.90	286.66	446.30	338.62	141.70	163.22
	±52.30	189.66	198.27	191.91	171.36	27.87	72.78
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	188.28	426.78	344.46	345.82	362.50	203.76[b]	142.70[b]
	±42.58	62.96	118.72	120.42	139.06	7.93	67.48
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	204.04	354.42	198.66	361.74	325.66	176.32[b]	176.64[b]
	±113.18	153.11	118.63	133.92	111.55	21.01	76.60
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	174.36	829.88	288.94	250.74	271.06	267.26	144.68
	±89.50	1098.98	158.34	117.35	91.71	112.96	128.58
	(5)	(5)	(5)	(5)	(5)	(5)	(4)

[a] Data are presented the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Iron (µg/dl) - Females				
HS / 12	173.43 ±48.20 (4)	420.36 182.19 (5)	506.20 230.59 (5)	557.98 354.48 (5)	428.90 331.41 (5)	207.58 64.36 (5)	231.44 108.20 (5)
HS / 16	154.82 ±59.57 (5)	430.36 126.38 (5)	435.16 135.16 (5)	419.15 90.27 (4)	446.63 74.21 (4)	380.50 188.01 (4)	214.23 126.19 (4)
D70 / 8	186.88 ±42.82 (5)	463.90 318.31 (5)	423.24 265.75 (5)	550.94 190.92 (5)	499.02 239.76 (5)	286.62 103.80 (5)	249.16 136.41 (5)
D70 / 12	183.65 ±49.99 (4)	480.02 105.89 (5)	379.92 161.58 (5)	310.28 127.11 (5)	373.96 78.37 (5)	172.20[b] 90.16 (5)	108.22[b] 41.54 (5)
D70 / 16	146.46 ±63.34 (5)	421.84 211.71 (5)	337.18 196.78 (5)	232.40 153.24 (5)	288.78 143.05 (5)	152.64[b] 46.00 (5)	123.56[b] 59.77 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Magnesium (mg/dl) - Females							
RL / 16	1.950 ±0.147 (5)	2.008 0.106 (5)	1.946 0.129 (5)	1.980 0.216 (5)	2.006 0.248 (5)	2.072 0.184 (5)	2.002 0.422 (5)
HSD / 8	2.018 ±0.289 (5)	1.770 0.101 (5)	1.706 0.067 (5)	1.690 0.145 (5)	1.762 0.191 (5)	1.626 0.221 (5)	1.550[c] 0.090 (5)
HSD / 12	1.932 ±0.208 (5)	1.720 0.118 (5)	1.646 0.089 (5)	1.690 0.219 (5)	1.746 0.242 (5)	1.602 0.310 (5)	1.422[c] 0.160 (5)
HSD / 16	1.895 ±0.097 (5)	1.824 0.244 (5)	1.864 0.209 (5)	1.644 0.202 (5)	1.712 0.129 (5)	1.534 0.233 (5)	1.444[c] 0.411 (5)
HS / 8	1.978 ±0.198 (5)	1.940 0.118 (5)	1.968 0.158 (5)	2.028 0.155 (5)	2.008 0.174 (5)	1.936 0.094 (5)	2.062[bd] 0.357 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 5 (cont.)

Serum Chemistry Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
			Magnesium (mg/dl) - Females			
HS / 12	1.925 ±0.345 (4)	1.966 0.325 (5)	1.650 0.157 (5)	1.752 0.115 (5)	1.738 0.168 (5)	1.868 0.209 (5)	1.834[bd] 0.282 (5)
HS / 16	1.890 ±0.175 (5)	1.878 0.177 (5)	1.752 0.151 (5)	1.795 0.152 (4)	1.815 0.169 (4)	1.760 0.332 (4)	1.625[bd] 0.438 (4)
D70 / 8	1.870 ±0.135 (5)	1.870 0.270 (5)	1.720 0.130 (5)	1.672 0.125 (5)	1.638 0.207 (5)	1.744 0.210 (5)	1.520[c] 0.109 (5)
D70 / 12	1.913 ±0.255 (4)	1.986 0.102 (5)	1.784 0.268 (5)	1.834 0.178 (5)	1.798 0.163 (5)	1.686 0.292 (5)	1.526[c] 0.254 (5)
D70 / 16	1.900 ±0.243 (5)	1.728 0.140 (5)	1.704 0.117 (5)	1.528 0.101 (5)	1.558 0.156 (5)	1.614 0.034 (5)	1.426[c] 0.111 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Erythrocytes ($x10^6/\mu l$) - Males							
RL / 16	6.166 ±0.441 (5)	5.084 0.659 (5)	4.710 0.603 (4)	4.576 0.342 (5)	4.386[b] 0.480 (5)	4.624 0.615 (5)	4.814 0.463 (5)
HSD / 8	6.036 ±0.664 (5)	5.210 0.314 (5)	5.038 0.346 (4)	4.384[b] 0.343 (5)	4.454[b] 0.463 (5)	4.198[bd] 0.382 (5)	3.942[bdg] 0.356 (5)
HSD / 12	6.312 ±0.100 (5)	5.356 0.289 (5)	5.052[b] 0.223 (5)	4.784[b] 0.095 (5)	4.456[b] 0.162 (5)	4.340[bd] 0.228 (5)	4.080[bd] 0.094 (5)
HSD / 16	6.060 ±0.289 (5)	4.774 0.368 (5)	4.358 0.304 (5)	4.026[b] 0.436 (5)	3.740[b] 0.367 (5)	3.344[bd] 0.500 (5)	3.288[bdf] 0.257 (4)
HS / 8	5.820 ±0.993 (5)	4.798 0.928 (5)	4.680 0.988 (5)	4.564 1.098 (5)	4.617 1.084 (5)	4.586[ce] 1.062 (5)	4.714[ceg] 0.283 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Erythrocytes ($x10^6/\mu l$) - Males							
HS / 12	6.290 ±0.446 (5)	5.254 0.212 (5)	4.728[b] 0.351 (5)	4.444[b] 0.481 (5)	4.316[b] 0.508 (5)	4.196[bce] 0.524 (5)	4.950[bce] 0.250 (5)
HS / 16	6.048 ±0.081 (5)	5.160 0.336 (5)	4.804 0.383 (5)	4.568[b] 0.403 (5)	4.398[b] 0.341 (5)	4.494[bce] 0.471 (5)	4.298[bcef] 0.654 (5)
D70 / 8	6.376 ±0.500 (5)	5.412 0.453 (5)	4.958 0.386 (5)	4.634[b] 0.439 (5)	4.390[b] 0.400 (5)	4.138[bd] 0.515 (5)	4.186[bdg] 0.483 (5)
D70 / 12	6.360 ±0.402 (5)	5.304 0.404 (5)	4.856 0.387 (5)	4.462[b] 0.491 (5)	4.252[b] 0.325 (5)	4.220[bd] 0.259 (4)	3.867[bd] 0.398 (3)
D70 / 16	6.054 ±0.600 (5)	5.166 0.532 (5)	4.746 0.648 (5)	4.268[b] 0.438 (5)	4.060[b] 0.478 (5)	3.630[bd] 0.319 (5)	3.374[bdf] 0.490 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Hemoglobin (g/dl) - Males				
RL / 16	13.68 ±1.00 (5)	11.74 1.12 (5)	11.30 1.08 (5)	10.76 0.62 (5)	10.32 0.99 (5)	10.74 0.76 (5)	10.68 0.76 (5)
HSD / 8	13.16 ±1.07 (5)	11.86 0.67 (5)	11.45 0.10 (4)	10.24[b] 0.36 (5)	10.10[b] 0.70 (5)	9.90[bd] 0.53 (5)	9.08[bd] 0.92 (5)
HSD / 12	13.52 ±0.40 (5)	11.64 0.75 (5)	11.06[b] 0.36 (5)	10.52[b] 0.41 (5)	9.96[b] 0.36 (5)	9.96[b] 0.66 (5)	9.60[b] 0.60 (5)
HSD / 16	13.38 ±0.46 (5)	10.90 0.93 (5)	10.10 0.80 (5)	9.38[b] 1.08 (5)	8.82[b] 0.79 (5)	7.96[b] 1.02 (5)	7.85[bd] 0.49 (4)
HS / 8	12.90 ±1.10 (5)	10.92 1.14 (5)	10.84 1.25 (5)	10.58 1.62 (5)	10.66 1.94 (5)	10.74[ce] 1.98 (5)	10.50[ce] 0.87 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Hemoglobin (g/dl) - Males				
HS / 12	13.38 ±0.77 (5)	11.72 0.37 (5)	10.66 0.53 (5)	9.98[b] 0.82 (5)	9.78[b] 0.91 (5)	9.60[b] 1.22 (5)	10.60[e] 1.15 (5)
HS / 16	12.86 ±0.32 (5)	11.52 0.50 (5)	10.84 0.59 (5)	10.24 0.66 (5)	10.16 0.47 (5)	10.08 0.98 (5)	9.80[c] 1.78 (5)
D70 / 8	13.44 ±0.78 (5)	11.68 0.88 (5)	10.74 0.90 (5)	10.20[b] 0.62 (5)	9.68[b] 0.91 (5)	9.28[bd] 0.87 (5)	9.22[bd] 0.87 (5)
D70 / 12	13.48 ±1.07 (5)	11.80 1.54 (5)	10.82[b] 1.20 (5)	10.02[b] 1.46 (5)	9.56[b] 1.14 (5)	9.85[b] 0.75 (4)	9.20[bd] 1.10 (3)
D70 / 16	12.96 ±0.56 (5)	11.34 0.53 (5)	10.60 0.82 (5)	9.80[b] 0.46 (5)	9.26[b] 0.62 (5)	8.46[b] 0.63 (5)	7.82[b] 1.01 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective H3D dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the dose and solution group indicated is significantly different from the mean of the respective D70 dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Hematocrit (%) - Males				
RL / 16	41.58 ±2.96 (5)	35.00 3.56 (5)	32.53 3.25 (4)	31.78 2.08 (5)	30.72 3.11 (5)	32.48 2.66 (5)	32.92 2.81 (5)
HSD / 8	40.46 ±2.86 (5)	35.56 1.32 (5)	34.23 0.89 (4)	30.36[b] 0.94 (5)	30.64[b] 2.91 (5)	29.58[bd] 1.82 (5)	27.56[bd] 2.36 (5)
HSD / 12	41.62 ±1.43 (5)	35.92 2.22 (5)	32.92 1.20 (5)	32.10[b] 0.97 (5)	30.22[b] 0.64 (5)	30.00[bd] 2.12 (5)	28.50[bd] 1.56 (5)
HSD / 16	40.86 ±1.17 (5)	33.04 2.87 (5)	30.26 2.16 (5)	28.20[b] 3.14 (5)	26.38[b] 2.29 (5)	24.24[bd] 2.65 (5)	24.00[bd] 1.56 (4)
HS / 8	38.92 ±4.68 (5)	32.98 4.29 (5)	32.48 4.56 (5)	31.86 5.55 (5)	32.44 6.02 (5)	32.09[ce] 6.37 (5)	32.44[ce] 2.38 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Hematocrit (%) - Males				
HS / 12	41.06 ±2.38 (5)	35.12 1.29 (5)	32.06 1.85 (5)	30.22[b] 3.22 (5)	29.72[b] 3.74 (5)	28.96[bce] 3.81 (5)	32.72[ce] 3.51 (5)
HS / 16	39.42 ±0.97 (5)	34.52 1.84 (5)	32.22 2.13 (5)	30.74 2.27 (5)	30.00 1.93 (5)	30.52[ce] 2.87 (5)	28.94[ce] 5.05 (5)
D70 / 8	41.42 ±3.08 (5)	35.94 3.26 (5)	32.80[b] 2.98 (5)	30.98[b] 2.79 (5)	29.56[b] 2.79 (5)	28.50[bd] 2.58 (5)	28.60[bd] 2.17 (5)
D70 / 12	41.52 ±3.79 (5)	35.40 4.34 (5)	32.50[b] 3.96 (5)	30.20[b] 4.32 (5)	28.86[b] 3.60 (5)	29.83[bd] 2.76 (4)	27.67[bd] 4.13 (3)
D70 / 16	39.74 ±2.28 (5)	34.68 1.97 (5)	32.00 2.91 (5)	29.04[b] 1.89 (5)	27.84[b] 2.06 (5)	25.74[bd] 1.80 (5)	24.00[bd] 2.90 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Mean Corpuscular Volume (femtoliters) - Males							
RL / 16	67.50 ±2.80 (5)	69.16 3.65 (5)	69.30 3.75 (4)	69.56 3.19 (5)	70.18 2.99 (5)	70.62 3.98 (5)	68.50 2.02 (5)
HSD / 8	67.32 ±3.13 (5)	68.38 3.47 (5)	68.10 4.00 (4)	69.50 3.70 (5)	68.90 3.47 (5)	70.70 4.71 (5)	70.04[d] 4.05 (5)
HSD / 12	65.94 ±1.96 (5)	67.08 1.97 (5)	67.22 1.53 (5)	67.14 2.22 (5)	67.90 2.30 (5)	69.08[b] 2.96 (5)	69.84[bd] 3.30 (5)
HSD / 16	67.48 ±1.77 (5)	69.16 0.98 (5)	69.42 0.88 (5)	70.00 0.83 (5)	70.64 1.49 (5)	72.84[b] 3.90 (5)	72.95[bd] 1.27 (4)
HS / 8	67.52 ±4.80 (5)	69.62 6.19 (5)	70.62 7.63 (5)	71.42 8.07 (5)	71.36 7.15 (5)	70.50 4.14 (5)	62.76[ce] 14.18 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Mean Corpuscular Volume (femtoliters) - Males							
HS / 12	65.34 ±2.13 (5)	66.90 2.62 (5)	67.88 2.81 (5)	68.00 2.54 (5)	68.88 3.18 (5)	69.04 2.69 (5)	65.98[ce] 4.39 (5)
HS / 16	65.20 ±1.39 (5)	66.92 1.32 (5)	67.12 1.35 (5)	67.38 1.69 (5)	68.26 1.29 (5)	67.98 1.70 (5)	67.12[ce] 2.23 (5)
D70 / 8	65.02 ±2.55 (5)	66.40 2.81 (5)	66.14 2.00 (5)	66.88 1.99 (5)	67.38 2.05 (5)	69.10 2.68 (5)	68.70[d] 4.50 (5)
D70 / 12	65.24 ±3.21 (5)	66.54 4.20 (5)	66.76 3.67 (5)	67.48 3.54 (5)	67.68 3.76 (5)	70.58 2.11 (4)	71.37[d] 3.45 (3)
D70 / 16	65.86 ±2.76 (5)	67.36 3.48 (5)	67.80 4.04 (5)	68.24 3.45 (5)	68.88[b] 4.05 (5)	71.00[b] 3.80 (5)	71.44[bd] 4.08 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Mean Corpuscular Hemoglobin (picograms) - Males							
RL / 16	22.22 ±1.19 (5)	23.26 2.17 (5)	23.40 2.35 (4)	23.58 1.83 (5)	23.58 1.30 (5)	23.38 1.70 (5)	22.24 0.99 (5)
HSD / 8	21.86 ±0.84 (5)	22.76 0.98 (5)	22.83 1.43 (4)	23.46 1.15 (5)	22.74 1.05 (5)	23.72 1.92 (5)	23.10[d] 2.38 (5)
HSD / 12	21.42 ±0.70 (5)	21.74 0.68 (5)	21.96 1.22 (5)	22.02 1.03 (5)	22.24 1.38 (5)	22.96[b] 1.18 (5)	23.54[bd] 1.28 (5)
HSD / 16	22.10 ±0.72 (5)	22.82 0.25 (5)	23.16 0.49 (5)	23.30 0.33 (5)	23.60 0.35 (5)	23.88 1.12 (5)	23.93[d] 0.56 (4)
HS / 8	22.48 ±2.45 (5)	23.20 2.75 (5)	23.70 3.32 (5)	23.74 3.02 (5)	23.48 2.59 (5)	23.64 1.60 (5)	22.26[ce] 0.55 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Mean Corpuscular Hemoglobin (picograms) - Males							
HS / 12	21.30 ±0.92 (5)	22.34 1.29 (5)	22.62 1.56 (5)	22.52 0.86 (5)	22.74 1.72 (5)	22.88 0.64 (5)	21.36[ce] 1.45 (5)
HS / 16	21.26 ±0.46 (5)	22.36 0.75 (5)	22.62 0.60 (5)	22.47 1.00 (5)	23.16 0.85 (5)	22.44 0.35 (5)	22.74[ce] 0.75 (5)
D70 / 8	21.08 ±0.73 (5)	21.58 0.90 (5)	21.68 1.19 (5)	22.08 1.11 (5)	22.08 0.95 (5)	22.50 1.10 (5)	22.10[d] 1.70 (5)
D70 / 12	21.20 ±0.92 (5)	22.16 1.53 (5)	22.22 0.94 (5)	22.38 1.13 (5)	22.44 1.08 (5)	23.33 0.41 (4)	23.77[d] 0.67 (3)
D70 / 16	21.50 ±1.32 (5)	22.06 1.34 (5)	22.48 1.50 (5)	23.08 1.38 (5)	22.96 1.57 (5)	23.34 1.11 (5)	23.26[d] 1.68 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Mean Corpuscular Hemoglobin Concentration (g/dl) - Males							
RL / 16	32.90 ±0.55 (5)	33.58 1.52 (5)	33.68 1.64 (4)	33.92 1.87 (5)	33.64 0.92 (5)	33.12 0.63 (5)	32.48 0.76 (5)
HSD / 8	32.52 ±0.36 (5)	33.36 1.02 (5)	33.43 0.44 (4)	33.76 0.67 (5)	33.04 1.17 (5)	33.48 0.70 (5)	32.94 1.47 (5)
HSD / 12	32.50 ±0.46 (5)	32.40 0.20 (5)	32.64 1.17 (5)	32.76 0.44 (5)	32.80 1.40 (5)	33.22 0.59 (5)	33.68 0.31 (5)
HSD / 16	32.74 ±0.56 (5)	33.00 0.20 (5)	33.34 0.32 (5)	33.22 0.44 (5)	33.42 0.22 (5)	32.78 1.41 (5)	32.73 0.24 (4)
HS / 8	33.28 ±1.35 (5)	33.20 1.03 (5)	33.50 1.31 (5)	33.24 1.12 (5)	32.90 0.42 (5)	33.56 0.53 (5)	32.36 0.47 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Mean Corpuscular Hemoglobin Concentration (g/dl) - Males							
HS / 12	32.60 ±0.45 (5)	33.38 1.02 (5)	33.28 1.32 (5)	33.10 1.04 (5)	33.02 1.56 (5)	33.16 0.50 (5)	32.42 0.28 (5)
HS / 16	32.6? ±0.84 (5)	33.36 0.51 (5)	33.68 0.78 (5)	33.32 0.68 (5)	33.88 0.71 (5)	33.02 0.34 (5)	33.84 0.67 (5)
D70 / 8	32.48 ±0.79 (5)	32.52 0.76 (5)	32.76 1.10 (5)	33.00 1.12 (5)	32.76 0.72 (5)	32.56 0.69 (5)	32.20 0.82 (5)
D70 / 12	32.52 ±0.68 (5)	33.30 1.11 (5)	33.34 1.04 (5)	33.16 0.66 (5)	33.16 1.29 (5)	33.05 0.82 (4)	33.37 1.24 (3)
D70 / 16	32.62 ±0.70 (5)	32.70 0.70 (5)	33.14 0.84 (5)	33.78 1.07 (5)	33.28 0.74 (5)	32.86 0.42 (5)	32.58 1.00 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Platelets ($x10^3/\mu l$) - Males				
RL / 16	343.4 ±72.7 (5)	546.4 148.3 (5)	502.3 78.5 (4)	521.6 108.6 (5)	504.6 168.6 (5)	574.0 177.4 (5)	750.2[b] 135.0 (5)
HSD / 8	402.8 ±95.7 (5)	378.2 157.3 (5)	419.5 170.3 (4)	386.6 139.2 (5)	392.8 132.8 (5)	323.0 162.6 (5)	503.4 285.9 (5)
HSD / 12	374.0 ±60.5 (5)	444.0 122.4 (5)	465.4 90.8 (5)	460.6 132.8 (5)	413.8 122.7 (5)	470.8 84.9 (5)	471.8 183.2 (5)
HSD / 16	341.8 ±109.7 (5)	482.0 204.0 (5)	468.0 145.1 (5)	449.8 89.5 (5)	436.6 94.2 (5)	392.8 117.7 (5)	523.0 143.7 (4)
HS / 8	359.0 ±69.4 (5)	440.6 66.8 (5)	525.4 68.6 (5)	540.0 101.4 (5)	539.8 189.5 (5)	553.2 140.0 (5)	777.8 423.7 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Platelets ($x10^3/\mu l$) - Males				
HS / 12	387.8 ±96.0 (5)	246.6 86.8 (5)	262.4 85.5 (5)	248.8 97.7 (5)	285.0 122.6 (5)	457.6 320.7 (5)	505.8 317.9 (5)
HS / 16	327.8 ±139.7 (5)	443.6 124.1 (5)	523.0 109.2 (5)	534.0 69.6 (5)	574.0 179.6 (5)	568.2 180.8 (5)	626.8 506.9 (5)
D70 / 8	357.2 ±31.4 (5)	479.8 183.1 (5)	500.8 142.3 (5)	516.2 113.4 (5)	464.2 117.8 (5)	460.8 106.3 (5)	525.5 347.4 (5)
D70 / 12	291.8 ±112.1 (5)	474.0 67.3 (5)	495.0 75.5 (5)	477.2 46.8 (5)	403.6 62.4 (5)	349.3 93.0 (4)	492.7 59.5 (3)
D70 / 16	430.0 ±100.9 (5)	425.2 175.6 (5)	427.0 151.9 (5)	452.8 84.2 (5)	394.0 117.5 (5)	452.8 112.4 (5)	460.8 405.8 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Reticulocytes (%) - Males				
RL / 16	4.00	5.66	6.28	6.30	7.44[b]	7.26[b]	8.22[b]
	±0.99	0.79	0.63	1.37	0.92	1.11	0.83
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	4.34	5.44	5.88	6.32	7.32	6.74	7.38
	±0.63	0.86	0.71	1.65	1.13	1.31	1.39
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	5.08	6.22	6.02	7.08	6.96	6.58	7.92
	±1.76	1.50	1.39	1.13	1.14	1.59	1.29
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	4.42	5.78	6.04	6.64	7.74	6.82	7.63
	±1.26	0.54	0.50	1.33	0.69	1.38	0.90
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	5.08	6.12	6.56	7.06	7.80	7.46	8.26
	±1.90	1.72	1.33	1.12	1.83	1.61	0.64
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Reticulocytes (%) - Males				
HS / 12	5.24	6.24	6.80	6.52	7.86	7.90	7.86
	±2.75	2.18	1.31	1.13	1.83	2.04	0.62
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	5.29	5.72	6.54	6.40	6.74	7.24[b]	8.12[b]
	±2.21	1.90	0.96	1.21	1.37	1.59	0.86
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	4.80	6.16	6.16	7.04	7.44[b]	7.82[b]	8.18[b]
	±2.31	1.53	1.68	0.57	1.16	1.72	0.66
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	5.16	6.16	6.24	7.10	8.34	7.13	6.90
	±1.91	1.44	1.14	2.31	2.43	1.25	1.93
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	4.96	5.88	6.46	6.52	7.42[b]	7.58[b]	8.22[b]
	±1.33	1.92	1.44	1.10	1.23	1.61	0.81
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Nucleated Red Blood Cells (#/100 WBC) - Males						
RL / 16	0.4	1.0	1.0	0.8	0.8	0.0	1.4
	±0.9	2.2	1.4	1.8	1.8	0.0	3.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.2	0.6	0.0	0.0	0.8	0.0	0.0
	±0.4	1.3	0.0	0.0	1.3	0.0	0.0
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	0.0	0.0	0.4	0.0	0.4	0.4	0.0
	±0.0	0.0	0.9	0.0	0.9	0.5	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.0	0.0	0.4	0.4	0.2	0.0	0.0
	±0.0	0.0	0.9	0.5	0.4	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	0.0	2.0	1.8	3.6	4.4	0.4	0.0
	±0.0	3.4	4.0	7.5	9.3	0.9	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Nucleated Red Blood Cells (#/100 WBC) - Males							
HS / 12	0.0	1.4	1.8	4.0	3.0	0.4	0.4
	±0.0	1.3	2.2	4.3	4.1	0.9	0.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.0	1.2	0.0	0.6	1.6	0.0	1.6
	±0.0	2.7	0.0	0.9	2.1	0.0	3.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	0.0	0.4	0.2	1.4	2.2	1.2	0.2
	±0.0	0.5	0.4	3.1	3.9	1.8	0.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.0	1.6	2.2	5.6	5.6	0.0	0.0
	±0.0	2.6	3.0	10.9	10.9	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	1.1	2.0	2.2	4.0	1.0	0.8	0.0
	±2.5	2.9	2.9	3.5	1.4	0.8	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Total Leukocyte Count ($x10^3/\mu l$) - Males							
RL / 16	8.66 ±1.72 (5)	9.72 1.58 (5)	9.92 2.06 (5)	10.70 3.66 (5)	8.58 0.96 (5)	9.60 2.55 (5)	10.38 2.96 (5)
HSD / 8	7.14 ±1.63 (5)	10.32 1.13 (5)	8.90 1.15 (4)	9.16 0.83 (5)	9.72 1.05 (5)	6.60[b] 1.47 (5)	6.64[bc] 1.32 (5)
HSD / 12	7.86 ±2.38 (5)	8.70 2.28 (5)	8.40 1.79 (5)	7.42 1.34 (5)	6.76 1.22 (5)	7.22 2.35 (5)	6.32[c] 2.32 (5)
HSD / 16	7.28 ±0.75 (5)	9.58 1.97 (5)	8.18 1.23 (5)	7.20[b] 1.51 (5)	6.72[b] 0.71 (5)	5.28[b] 1.12 (5)	5.40[bc] 1.93 (4)
HS / 8	7.64 ±1.47 (5)	9.04 3.32 (5)	10.72 3.50 (5)	9.64 1.73 (5)	10.16 1.34 (5)	8.38 2.33 (5)	9.26[d] 1.76 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Total Leukocyte Count ($x10^3/\mu l$) - Males							
HS / 12	7.32 ±1.00 (5)	9.32 2.86 (5)	9.66 2.75 (5)	9.86 3.37 (5)	10.30 3.48 (5)	8.94 0.87 (5)	7.96[d] 3.86 (5)
HS / 16	6.58 ±2.14 (5)	8.78 1.23 (5)	8.98 2.50 (5)	9.48 3.79 (5)	9.00 1.77 (5)	7.62 1.58 (5)	8.24[d] 3.43 (5)
D70 / 8	8.36 ±2.31 (5)	8.74 2.03 (5)	8.96 0.99 (5)	8.96 1.16 (5)	8.38 2.55 (5)	8.22 1.38 (5)	7.12 1.49 (5)
D70 / 12	7.56 ±0.71 (5)	10.20 1.08 (5)	9.88 1.20 (5)	9.58 1.66 (5)	7.74 1.70 (5)	6.93 1.14 (4)	8.83 5.44 (3)
D70 / 16	7.42 ±1.56 (5)	9.62 1.64 (5)	10.04 0.96 (5)	10.88 2.25 (5)	9.20 1.88 (5)	6.94[b] 1.48 (5)	6.94[b] 1.45 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Heterophils (%) - Males				
RL / 16	25.8 ±4.4 (5)	36.4 11.1 (5)	41.6 14.7 (5)	40.8 18.8 (5)	38.8 15.5 (5)	36.8 12.4 (5)	48.2 10.4 (5)
HSD / 8	30.8 ±6.8 (5)	40.0 5.5 (5)	58.3 10.1 (4)	43.6 18.1 (5)	40.8 17.0 (5)	38.8 10.3 (5)	39.6 11.5 (5)
HSD / 12	38.2 ±10.5 (5)	33.6 16.3 (5)	46.2 15.7 (5)	41.0 12.7 (5)	41.2 15.2 (5)	40.2 11.3 (5)	45.8 24.0 (5)
HSD / 16	24.6 ±15.0 (5)	50.6 22.5 (5)	56.2 12.2 (5)	41.8 8.5 (5)	49.0 13.0 (5)	49.0 16.6 (5)	61.8 20.7 (4)
HS / 8	37.4 ±15.7 (5)	41.2 9.2 (5)	41.8 14.0 (5)	38.2 7.0 (5)	35.2 18.8 (5)	47.2 10.5 (5)	54.2 27.1 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Heterophils (%) - Males				
HS / 12	20.0	44.2	43.2	41.2	35.4	44.0	51.8
	±9.2	6.4	17.7	11.4	17.4	16.6	18.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	31.2	52.2	44.6	41.2	45.6	45.4	44.4
	±14.2	22.5	10.9	10.9	9.9	8.4	17.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	30.0	39.4	41.0	43.6	31.0	35.2	45.2
	±4.1	20.8	8.1	10.2	8.7	16.3	15.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	22.4	43.8	41.4	38.8	39.4	40.8	53.0
	±6.8	16.1	5.7	5.9	9.4	11.6	15.9
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	29.0	34.4	36.8	50.2	52.4[b]	52.2[b]	55.4[b]
	±16.3	6.9	9.1	15.4	13.8	8.5	8.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Immature Neutrophils (%) - Males				
RL / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	Study Day 0	1	2	3	7	14
Immature Neutrophils (%) - Males						
HS / 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Eosinophils (%) - Males				
RL / 16	0.8	0.8	0.6	0.0	0.0	0.0	0.2
	±1.3	0.8	0.9	0.0	0.0	0.0	0.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.2	0.0	0.3	0.0	0.0	0.0	0.0
	±0.4	0.0	0.5	0.0	0.0	0.0	0.0
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	0.2	0.0	0.2	0.0	0.0	0.0	0.2
	±0.4	0.0	0.4	0.0	0.0	0.0	0.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.2	0.4	0.4	0.4	0.0	0.0	0.0
	±0.4	0.9	0.5	0.9	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	±0.9	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Eosinophils (%) - Males				
HS / 12	0.0	0.4	0.2	0.2	0.2	0.0	0.0
	±0.0	0.9	0.4	0.4	0.4	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.0	0.2	0.4	0.0	0.0	0.2	0.0
	±0.0	0.4	0.5	0.0	0.0	0.4	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	0.2	0.0	0.2	0.2	0.2	0.2	0.0
	±0.4	0.0	0.4	0.4	0.4	0.4	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.0	0.0	0.2	0.0	0.2	0.0	0.0
	±0.0	0.0	0.4	0.0	0.4	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	0.4	0.2	0.0	0.0	0.0	0.2	0.0
	±0.9	0.4	0.0	0.0	0.0	0.4	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Basophils (%) - Males				
RL / 16	0.0	0,0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	±0.9	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.4	0.0	0.0	0.0	0.0	0.0	0.0
	±0.9	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Basophils (%) - Males				
HS / 12	0.8	0.0	0.0	0.0	0.0	0.0	0.0
	±1.3	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	±0.4	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	±0.4	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.2	0.0	0.0	0.0	0.0	0.0	0.0
	±0.4	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Lymphocytes (%) - Males				
RL / 16	69.4	60.6	53.8	57.4	59.4	59.8	48.6
	±4.2	12.7	15.5	18.7	15.3	13.4	11.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	65.4	57.6	36.8	53.8	58.2	59.4	59.2
	±4.5	5.3	11.7	19.0	17.3	10.1	11.9
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	55.6	63.0	50.6	56.4	57.0	59.0	48.2
	±10.7	17.0	16.1	13.3	15.5	12.3	19.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	72.6	47.2	41.8	56.2	50.0	48.6	37.3
	±14.0	20.8	12.1	9.0	13.0	17.1	20.7
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	57.0	57.6	55.0	58.8	62.8	50.2	44.5
	±17.4	9.1	14.2	8.4	20.2	9.3	27.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Lymphocytes (%) - Males				
HS / 12	74.6 ±8.5 (5)	54.6 7.0 (5)	54.6 17.5 (5)	54.6 12.9 (5)	60.0 21.5 (5)	53.4 17.6 (5)	47.4 18.2 (5)
HS / 16	67.8 ±13.8 (5)	45.0 21.7 (5)	50.6 12.1 (5)	54.6 11.7 (5)	50.8 9.0 (5)	50.4 7.7 (5)	52.8 17.9 (5)
D70 / 8	64.0 ±4.0 (5)	56.4 20.2 (5)	56.8 7.0 (5)	51.6 11.9 (5)	58.2 20.4 (5)	61.8 16.8 (5)	52.2 14.3 (5)
D70 / 12	74.4 ±6.2 (5)	54.6 16.1 (5)	56.2 6.6 (5)	60.2 5.8 (5)	58.2 10.9 (5)	58.0 12.4 (4)	43.7 17.2 (3)
D70 / 16	67.0 ±17.7 (5)	63.6 7.6 (5)	60.2 9.7 (5)	48.6 15.0 (5)	45.6[b] 12.2 (5)	45.8[b] 8.9 (5)	42.8[b] 8.7 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Monocytes (%) - Males				
RL / 16	1.0	0.6	0.8	0.6	0.4	1.2	0.8
	±1.0	0.9	1.3	0.9	0.5	0.8	0.8
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.4	1.0	1.0	0.4	0.8	0.6	0.8
	±0.5	1.2	1.2	0.5	1.3	0.9	0.8
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	1.6	1.0	1.0	1.0	0.4	0.6	0.8
	±0.5	0.7	1.2	0.7	0.9	0.9	0.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.4	0.6	0.8	0.0	0.4	0.6	1.0
	±0.5	1.3	0.8	0.0	0.5	0.9	0.8
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	1.6	0.6	1.0	0.4	0.8	1.4	1.0
	±1.1	0.5	0.7	0.5	1.1	1.3	1.7
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Monocytes (%) - Males				
HS / 12	1.6	0.6	1.0	1.2	1.2	2.0	0.4
	±1.1	0.9	1.4	1.3	0.8	2.0	0.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.6	0.8	1.2	1.6	0.8	1.0	1.2
	±0.5	1.3	1.6	1.8	0.8	1.7	0.8
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	1.2	2.2	0.6	2.2	0.4	1.0	1.2
	±0.8	3.3	0.9	1.8	0.9	1.0	1.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.6	0.2	0.0	0.2	1.0	0.8	2.0
	±0.5	0.4	0.0	0.4	1.2	1.0	1.7
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	1.2	0.2	0.8	0.8	1.2	1.0	1.2
	±0.4	0.4	0.8	0.4	0.8	1.2	0.8
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Atypical Lymphocytes (%) - Males				
RL / 16	3.0	1.6	3.2	1.2	1.4	2.2	2.2
	±1.9	1.8	2.2	0.8	1.3	2.3	1.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	3.2	1.6	3.8	2.2	0.4[c]	1.2	0.4
	±3.6	1.8	1.9	2.2	0.9	0.8	0.9
	(5)	(5)	(4)	(5)	(5)	(5)	(5)
HSD / 12	4.0	2.4	2.0	1.6	1.4[c]	0.2	1.0
	±1.6	3.4	1.2	1.5	1.1	0.4	1.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	1.8	1.2	0.8	1.6	0.6[c]	2.0	0.0
	±0.8	1.8	0.8	2.1	0.9	1.6	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(4)
HS / 8	3.6	0.6	2.2	2.6[d]	1.2[b]	1.2	0.4
	±2.5	0.9	2.3	2.7	1.6	1.3	0.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Atypical Lymphocytes (%) - Males				
HS / 12	3.0	0.2	1.0	2.8[d]	3.2[b]	0.6	0.6
	±1.4	0.4	1.0	1.8	3.7	0.5	0.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.2	1.8	3.2	2.6[d]	2.8[b]	3.0	1.6
	±0.4	1.1	2.3	1.1	2.5	2.2	2.2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 8	4.4	2.0	1.4	2.4[c]	1.2	1.8	1.4
	±3.2	2.1	1.3	1.1	1.6	1.3	1.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	2.4	1.4	2.2	0.8[c]	1.2	0.5	1.3
	±2.7	1.3	2.3	1.1	1.6	1.0	1.5
	(5)	(5)	(5)	(5)	(5)	(4)	(3)
D70 / 16	2.4	1.6	2.2	0.4[c]	0.8	1.0	0.4
	±1.8	0.9	1.9	0.5	1.1	1.4	0.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Prothrombin Time (seconds) - Males							
RL / 16	6.60 ±0.36 (3)	6.82 0.65 (5)	6.60 0.76 (5)	5.64 0.86 (5)	6.38 1.30 (4)	7.60 1.60 (5)	7.40 1.10 (5)
HSD / 8	6.00 ±0.61 (4)	7.76 2.19 (5)	6.20 1.71 (5)	5.84 1.77 (5)	6.60 1.06 (3)	8.98 2.46 (5)	6.78[c] 0.63 (5)
HSD / 12	6.60 ±0.63 (4)	5.90 0.60 (5)	5.90 0.35 (4)	6.28 0.58 (5)	7.85 1.98 (4)	8.72 3.24 (5)	6.64[c] 1.15 (5)
HSD / 16	6.75 ±0.85 (4)	7.34 1.38 (5)	6.06 0.94 (5)	5.40 0.80 (5)	5.43 1.95 (3)	7.06 1.17 (5)	5.70[c] 3.27 (4)
HS / 8	6.95 ±1.00 (4)	6.60 1.62 (5)	7.02 1.54 (5)	6.90 1.56 (5)	6.55 3.16 (4)	8.14 2.04 (5)	4.04[bd] 2.37 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Prothrombin Time (seconds) - Males							
HS / 12	6.45 ±0.42 (4)	6.96 0.35 (5)	7.00 1.03 (5)	6.54 1.97 (5)	8.06 2.98 (5)	5.82 1.77 (5)	7.50[bd] 1.57 (5)
HS / 16	6.74 ±0.63 (5)	5.68 0.68 (5)	6.10 0.42 (5)	5.42 1.13 (5)	6.53 2.06 (4)	6.30 0.53 (5)	4.68[bd] 2.59 (5)
D70 / 8	6.58 ±0.82 (5)	6.66 1.13 (5)	7.16 2.02 (5)	5.56 0.98 (5)	9.30 2.85 (3)	8.18 1.36 (5)	6.66[c] 1.60 (5)
D70 / 12	6.33 ±0.46 (4)	6.94 0.74 (5)	6.18 1.09 (5)	5.38 2.04 (5)	8.33 1.21 (4)	7.98 1.54 (4)	6.60[c] 4.21 (3)
D70 / 16	6.27 ±0.64 (3)	7.02 1.22 (5)	8.00 2.42 (5)	5.64 0.94 (5)	8.38 1.55 (5)	7.04 1.83 (5)	8.03[c] 1.74 (4)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Activated Partial Thromboplastin Time (seconds) - Males							
RL / 16	27.03 ±2.11 (5)	128.10 48.97 (5)	106.72 59.59 (5)	109.16 58.59 (5)	112.90 61.24 (4)	112.04 52.70 (5)	85.32 59.65 (5)
HSD / 8	20.00 ±7.98 (4)	113.46 50.15 (5)	87.98 56.78 (5)	128.96 47.05 (5)	109.43 70.26 (3)	133.50 36.90 (5)	106.60 26.58 (5)
HSD / 12	30.00 ±10.31 (4)	104.80 61.92 (5)	127.02 51.38 (5)	52.20 55.20 (5)	118.95 62.10 (4)	115.28 50.48 (5)	85.78 59.50 (5)
HSD / 16	33.48 ±10.99 (4)	130.56 43.47 (5)	125.36 55.10 (5)	150.00 0.00 (5)	150.00 0.00 (3)	128.16 48.84 (5)	88.53 73.87 (4)
HS / 8	47.08 ±57.64 (5)	90.35 69.81 (4)	128.80 47.40 (5)	131.72 40.88 (5)	93.58 65.44 (4)	124.78 56.39 (5)	20.94 17.58 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Activated Partial Thromboplastin Time (seconds) - Males						
HS / 12	41.20 ±17.11 (4)	125.20 55.45 (5)	150.00 0.00 (5)	126.18 53.26 (5)	136.76 29.61 (5)	97.98 61.74 (4)	77.34 67.48 (5)
HS / 16	21.30 ±9.09 (5)	71.06 49 51 (5)	101.10 66.96 (5)	45.82 59.23 (5)	123.73 52.55 (4)	80.56 63.55 (5)	55.88 56.05 (5)
D70 / 8	26.68 ±8.43 (5)	116.92 50.05 (5)	123.96 58.23 (5)	117.36 46.43 (5)	67.27 71.69 (3)	91.58 56.74 (5)	71.12 75.00 (5)
D70 / 12	24.75 ±12.06 (4)	113.82 51.61 (5)	131.02 42.44 (5)	120.36 66.28 (5)	150.00 0.00 (4)	121.75 56.50 (4)	74.20 65.65 (3)
D70 / 16	32.93 ±16.78 (3)	84.88 60.54 (5)	126.48 52.59 (5)	98.68 51.10 (5)	127.00 51.43 (5)	76.38 41.46 (5)	129.68 45.44 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Study Day				
Erythrocytes ($x10^6/\mu l$) - Females							
RL / 16	5.670 ±0.648 (5)	5.232 0.695 (5)	4.956 0.582 (5)	4.722[b] 0.471 (5)	4.346[b] 0.502 (5)	4.422[b] 0.535 (5)	5.010 0.648 (5)
HSD / 8	5.902 ±0.739 (5)	5.198 0.620 (5)	4.868 0.473 (5)	4.438[b] 0.314 (5)	4.110[b] 0.599 (5)	4.502[bh] 0.405 (5)	4.418[bdgh] 0.378 (5)
HSD / 12	5.342 ±0.361 (5)	4.870 0.450 (5)	4.482 0.429 (5)	4.076[b] 0.437 (5)	3.732[b] 0.373 (5)	3.730[b] 0.344 (5)	3.356[bdf] 0.328 (5)
HSD / 16	5.320 ±0.376 (4)	4.786 0.315 (5)	4.510 0.157 (5)	4.134[b] 0.220 (5)	3.842[b] 0.218 (5)	3.456[bf] 0.485 (5)	3.430[bdf] 0.385 (5)
HS / 8	4.986 ±1.086 (5)	4.434 1.081 (5)	4.126 0.810 (5)	4.022 0.652 (5)	3.840 0.456 (5)	4.114[h] 0.172 (5)	4.646[cegh] 0.282 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	1	2	3	7	14
			Study Day				
Erythrocytes ($x10^6/\mu l$) - Females							
HS / 12	5.728 ±0.457 (4)	5.104 0.481 (5)	4.918 0.267 (5)	4.464 0.239 (5)	4.240 0.485 (5)	4.322 0.266 (5)	4.218[cef] 1.078 (5)
HS / 16	5.834 ±0.080 (5)	5.144 0.420 (5)	4.736 0.435 (5)	4.170 0.686 (4)	3.868[b] 0.976 (4)	4.053[bf] 1.075 (4)	4.488[bcef] 0.432 (4)
D70 / 8	5.632 ±0.389 (5)	5.382 0.512 (5)	4.982 0.325 (5)	4.586[b] 0.290 (5)	4.189[b] 0.183 (5)	4.326[bh] 0.352 (5)	4.098[bdgh] 0.225 (5)
D70 / 12	5.718 ±0.461 (4)	5.384 0.691 (5)	4.782[b] 0.476 (5)	4.376[b] 0.255 (5)	4.094[b] 0.237 (5)	3.910[b] 0.262 (5)	3.910[bdf] 0.311 (5)
D70 / 16	5.698 ±0.350 (5)	5.032 0.407 (5)	4.450[b] 0.291 (5)	4.074[b] 0.332 (5)	3.840[b] 0.521 (5)	3.798[bf] 0.308 (5)	3.536[bdf] 0.347 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Hemoglobin (g/dl) - Females				
RL / 16	12.64 ±1.05 (5)	11.92 1.23 (5)	11.30 0.89 (5)	10.80[b] 0.73 (5)	10.00[b] 0.60 (5)	10.48[b] 0.80 (5)	11.52 1.10 (5)
HSD / 8	12.50 ±1.24 (5)	11.22 1.08 (5)	10.54 0.77 (5)	9.88 0.49 (5)	9.30 1.38 (5)	10.20[d] 0.58 (5)	9.88[dgh] 0.76 (5)
HSD / 12	11.90 ±0.77 (5)	11.36 1.34 (5)	10.26 0.96 (5)	9.40[b] 0.96 (5)	8.84[b] 0.79 (5)	8.92[bd] 0.82 (5)	7.94[bdf] 0.87 (5)
HSD / 16	12.40 ±0.42 (4)	11.22 0.58 (5)	10.60 0.32 (5)	9.80[b] 0.47 (5)	9.20[b] 0.23 (5)	8.38[bd] 1.18 (5)	8.24[bdf] 0.98 (5)
HS / 8	11.58 ±1.55 (5)	10.60 1.70 (5)	9.90 1.31 (5)	9.70 0.96 (5)	9.38 0.61 (5)	10.02[c] 0.61 (5)	10.68[cegh] 0.69 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Hemoglobin (g/dl) - Females				
HS / 12	12.70 ±0.56 (4)	11.60 0.39 (5)	11.28 0.97 (5)	10.26 0.79 (5)	9.88 0.62 (5)	10.24[c] 0.52 (5)	9.88[cef] 2.43 (5)
HS / 16	12.90 ±0.22 (5)	11.60 0.77 (5)	10.80 0.76 (5)	9.78 1.37 (4)	9.25 2.06 (4)	10.10[c] 1.91 (4)	10.58[cef] 0.46 (4)
D70 / 8	12.14 ±0.46 (5)	11.80 0.86 (5)	11.08 0.43 (5)	10.20[b] 0.45 (5)	9.76[b] 0.51 (5)	9.84[b] 0.62 (5)	9.22[bdgh] 0.30 (5)
D70 / 12	12.50 ±0.98 (4)	11.78 1.00 (5)	10.72[b] 0.54 (5)	9.84[b] 0.61 (5)	9.34[b] 0.50 (5)	9.22[b] 0.29 (5)	8.94[bdf] 0.55 (5)
D70 / 16	12.36 ±0.50 (5)	11.22 1.10 (5)	10.16[b] 0.66 (5)	9.20[b] 0.79 (5)	8.72[b] 0.90 (5)	8.82[b] 0.59 (5)	8.30[bdf] 0.75 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Hematocrit (%) - Females				
RL / 16	37.72 ±3.05 (5)	35.14 3.72 (5)	33.48 2.57 (5)	32.06[b] 2.34 (5)	29.86[b] 2.06 (5)	31.78[b] 2.57 (5)	35.32 3.32 (5)
HSD / 8	37.70 ±3.88 (5)	33.80 3.26 (5)	32.22 2.02 (5)	29.38 1.18 (5)	27.74 3.67 (5)	30.78[dh] 2.14 (5)	30.26[dgh] 2.35 (5)
HSD / 12	35.50 ±2.02 (5)	33.06 2.55 (5)	30.66 2.76 (5)	28.24[b] 2.64 (5)	26.08[b] 2.45 (5)	26.56[bd] 2.55 (5)	24.10[bdf] 2.54 (5)
HSD / 16	36.73 ±1.97 (4)	33.54 2.17 (5)	31.64 0.66 (5)	29.14[b] 1.31 (5)	27.32[b] 1.05 (5)	24.88[bdf] 3.52 (5)	24.90[bdf] 3.28 (5)
HS / 8	34.64 ±5.22 (5)	32.20 4.64 (5)	30.26 3.49 (5)	29.50 2.06 (5)	28.58 1.66 (5)	31.08[cdh] 2.13 (5)	33.20[cegh] 2.42 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Hematocrit (%) - Females				
HS / 12	37.93 ±1.80 (4)	34.56 1.72 (5)	33.62 2.74 (5)	30.46 1.70 (5)	29.30 1.89 (5)	30.72[ce] 1.77 (5)	29.76[cef] 7.40 (5)
HS / 16	38.44 ±0.46 (5)	34.98 2.41 (5)	32.44 2.30 (5)	29.13 4.05 (4)	27.75 5.80 (4)	30.13[cef] 4.87 (4)	32.35[cef] 1.01 (4)
D70 / 8	36.24 ±1.77 (5)	35.36 2.77 (5)	32.92 1.33 (5)	30.48[b] 1.50 (5)	29.30[b] 2.05 (5)	29.88[bdh] 1.79 (5)	28.06[bdgh] 1.41 (5)
D70 / 12	37.43 ±2.74 (4)	35.70 3.17 (5)	31.88[b] 1.84 (5)	29.36[b] 1.76 (5)	28.02[b] 1.37 (5)	27.74[bd] 1.10 (5)	27.34[bdf] 2.29 (5)
D70 / 16	36.76 ±1.44 (5)	33.32 3.19 (5)	29.88[b] 2.24 (5)	27.36[b] 2.47 (5)	26.30[b] 3.33 (5)	26.78[bdf] 1.81 (5)	25.34[bdf] 2.19 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[e] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[f] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 low-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[g] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 middle-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[h] The mean of the 3 test solution groups for the dose level indicated is significantly different from the mean of the 3 high-dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Mean Corpuscular Volume (femtoliters) - Females						
RL / 16	66.76 ±2.98 (5)	67.40 2.67 (5)	67.86 2.97 (5)	68.06 2.56 (5)	69.00 3.44 (5)	72.20[b] 3.50 (5)	70.76[b] 3.17 (5)
HSD / 8	63.98 ±1.53 (5)	65.14[c] 1.73 (5)	66.36 2.42 (5)	66.30 2.42 (5)	67.64[b] 3.53 (5)	68.48[b] 2.60 (5)	68.58[b] 1.70 (5)
HSD / 12	66.48 ±0.88 (5)	67.94 1.39 (5)	68.40 1.01 (5)	69.40 1.17 (5)	69.56 1.12 (5)	71.20[b] 1.29 (5)	71.82[b] 0.81 (5)
HSD / 16	69.13 ±1.62 (4)	70.10 0.82 (5)	70.16 1.01 (5)	70.56 1.02 (5)	71.18 1.66 (5)	72.00 2.35 (5)	72.48 2.69 (5)
HS / 8	70.56 ±6.51 (5)	74.88[d] 11.49 (5)	74.82 11.00 (5)	74.52 9.26 (5)	75.06 7.92 (5)	75.56 4.45 (5)	71.48 2.93 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] Value is significantly different from the HS / 8 group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] Value is significantly different from the HSD / 8, D70 / 8, D70 / 12, and D70 / 16 groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Mean Corpuscular Volume (femtoliters) - Females							
HS / 12	66.35 ±3.06 (4)	67.96 3.36 (5)	68.32 3.79 (5)	68.28 3.19 (5)	69.42 4.21 (5)	71.18[b] 2.82 (5)	70.64[b] 2.29 (5)
HS / 16	65.90 ±0.75 (5)	68.08 1.75 (5)	68.66 2.01 (5)	70.05 2.79 (4)	72.55 5.11 (4)	76.65 11.50 (4)	72.38 4.81 (4)
D70 / 8	64.40 ±1.74 (5)	65.80[c] 1.67 (5)	66.18 1.96 (5)	66.54 1.52 (5)	67.34[b] 2.14 (5)	69.18[b] 1.66 (5)	68.54[b] 1.35 (5)
D70 / 12	65.48 ±1.35 (4)	66.52[c] 2.73 (5)	66.94 3.00 (5)	67.18 3.14 (5)	68.54 3.04 (5)	71.06[b] 2.01 (5)	69.94[b] 1.30 (5)
D70 / 16	64.62 ±2.52 (5)	66.16[c] 2.54 (5)	67.10 2.16 (5)	67.18 2.65 (5)	68.56 2.49 (5)	70.66[b] 2.88 (5)	71.72[b] 3.29 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] Value is significantly different from the HS / 8 group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day) -7	0	Study Day 1	2	3	7	14
Mean Corpuscular Hemoglobin (picograms) - Females						
RL / 16	22.36 ±0.96 (5)	22.88 0.82 (5)	22.88 1.04 (5)	22.92 1.08 (5)	23.14 1.51 (5)	23.80 1.19 (5)	23.08 1.05 (5)
HSD / 8	21.22 ±0.63 (5)	21.62 0.68 (5)	21.70 0.98 (5)	22.30 0.47 (5)	22.64[b] 0.98 (5)	22.72[b] 0.88 (5)	22.38 0.60 (5)
HSD / 12	22.28 ±0.79 (5)	23.30 1.15 (5)	22.92 0.43 (5)	23.08 0.30 (5)	23.70 0.74 (5)	23.90 0.22 (5)	23.66 0.62 (5)
HSD / 16	23.40 ±1.01 (4)	23.48 0.60 (5)	23.52 0.99 (5)	23.72 0.53 (5)	24.00 0.83 (5)	24.24 0.87 (5)	23.98 0.72 (5)
HS / 8	23.70 ±2.85 (5)	24.54 3.18 (5)	24.34 2.46 (5)	24.38 2.06 (5)	24.62 2.07 (5)	24.34 0.94 (5)	22.98 0.58 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Mean Corpuscular Hemoglobin (picograms) - Females							
HS / 12	22.25 ±1.70 (4)	22.84 1.61 (5)	22.94 1.55 (5)	23.00 1.52 (5)	23.42 1.71 (5)	23.72 1.15 (5)	23.52 1.11 (5)
HS / 16	22.12 ±0.40 (5)	22.56 0.65 (5)	22.84 0.91 (5)	23.53 0.82 (4)	24.08 1.18 (4)	25.48 2.89 (4)	23.68 1.49 (4)
D70 / 8	21.60 ±0.95 (5)	21.96 1.02 (5)	22.28 0.96 (5)	22.26 0.72 (5)	22.46 0.73 (5)	22.78 0.51 (5)	22.52 0.53 (5)
D70 / 12	21.88 ±0.41 (4)	21.98 1.19 (5)	22.50 1.12 (5)	22.48 0.98 (5)	22.86 1.17 (5)	23.64[b] 1.04 (5)	22.88 0.59 (5)
D70 / 16	21.72 ±0.87 (5)	22.28 1.07 (5)	22.84 0.70 (5)	23.30 2.26 (5)	22.80 1.04 (5)	23.28 1.04 (5)	23.50 1.02 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Mean Corpuscular Hemoglobin Concentration (g/dl) - Females							
RL / 16	33.48 ±0.35 (5)	33.94 0.76 (5)	33.74 0.68 (5)	33.70 0.74 (5)	33.50 0.59 (5)	33.00 0.50 (5)	32.60 0.87 (5)
HSD / 8	33.14 ±0.49 (5)	33.18 0.44 (5)	32.68 0.66 (5)	33.64 0.85 (5)	33.48 1.03 (5)	33.16 0.67 (5)	32.64 0.30 (5)
HSD / 12	33.56 ±1.13 (5)	34.30 1.99 (5)	33.46 0.23 (5)	33.28 0.32 (5)	34.08 0.59 (5)	33.60 0.37 (5)	32.96 0.73 (5)
HSD / 16	33.80 ±0.68 (4)	33.46 0.74 (5)	33.52 1.06 (5)	33.62 0.72 (5)	33.68 0.54 (5)	33.70 0.63 (5)	33.14 0.63 (5)
HS / 8	33.50 ±0.99 (5)	32.85 0.89 (5)	32.58 1.59 (5)	32.82 1.17 (5)	32.82 0.76 (5)	32.24 1.02 (5)	32.18 0.58 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Mean Corpuscular Hemoglobin Concentration (g/dl) - Females							
HS / 12	33.50 ±1.21 (4)	33.60 0.74 (5)	33.54 0.48 (5)	33.66 0.83 (5)	33.74 0.69 (5)	33.34 0.68 (5)	33.22 0.53 (5)
HS / 16	33.58 ±0.29 (5)	33.16 0.48 (5)	33.28 0.58 (5)	33.55 0.34 (4)	33.23 0.78 (4)	33.43 1.45 (4)	32.65 0.79 (4)
D70 / 8	33.50 ±0.58 (5)	33.38 0.72 (5)	33.64 0.54 (5)	33.48 0.54 (5)	33.34 0.93 (5)	32.92 0.40 (5)	32.88 0.70 (5)
D70 / 12	33.38 ±0.35 (4)	33.00 0.64 (5)	33.62 0.57 (5)	33.52 0.77 (5)	33.34 0.67 (5)	33.27 0.74 (5)	32.76 0.76 (5)
D70 / 16	33.62 ±0.31 (5)	33.66 0.79 (5)	34.02 0.44 (5)	33.64 0.55 (5)	33.22 0.89 (5)	32.94 0.21 (5)	32.74 0.92 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Platelets ($x10^3/\mu l$) - Females							
RL / 16	357.4 ±102.3 (5)	383.6 70.4 (5)	362.4 44.5 (5)	351.2 56.0 (5)	372.0 91.8 (5)	457.2 126.0 (5)	389.2 192.1 (5)
HSD / 8	308.4 ±79.3 (5)	364.6 95.6 (5)	389.2 145.2 (5)	400.2 148.1 (5)	362.4 156.7 (5)	379.8 145.6 (5)	301.0 104.6 (5)
HSD / 12	415.4 ±108.1 (5)	399.0 41.0 (5)	419.8 22.8 (5)	424.0 48.7 (5)	427.2 80.3 (5)	339.2 88.3 (5)	424.6 198.6 (5)
HSD / 16	344.0 ±115.7 (4)	342.2 65.6 (5)	350.0 56.8 (5)	347.4 31.9 (5)	338.6 54.3 (5)	283.2 115.7 (5)	256.0 89.7 (5)
HS / 8	351.8 ±221.6 (5)	387.0 102.4 (5)	340.2 90.2 (5)	338.4 126.7 (5)	356.6 140.9 (5)	369.4 178.7 (5)	448.6 144.3 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Platelets ($x10^3/\mu l$) - Females				
HS / 12	284.5 ±148.5 (4)	357.0 106.5 (5)	375.6 116.2 (5)	392.8 127.7 (5)	403.8 162.4 (5)	357.0 108.8 (5)	281.4 112.4 (5)
HS / 16	375.4 ±46.3 (5)	413.2 87.1 (5)	424.8 80.8 (5)	385.5 49.2 (4)	408.8 43.9 (4)	505.3 108.2 (4)	379.3 56.9 (4)
D70 / 8	362.6 ±41.6 (5)	382.4 63.3 (5)	395.0 81.5 (5)	391.6 84.7 (5)	396.8 113.0 (5)	322.4 61.1 (5)	329.6 83.4 (5)
D70 / 12	350.8 ±29.1 (4)	360.4 39.5 (5)	355.0 52.7 (5)	384.0 40.4 (4)	415.8 78.4 (5)	362.6 102.8 (5)	262.6 122.8 (5)
D70 / 16	322.4 ±158.1 (5)	286.8 118.6 (5)	313.6 99.7 (5)	309.4 62.4 (5)	342.2 87.0 (5)	320.0 149.9 (5)	255.4 41.8 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Reticulocytes (%) - Females				
RL / 16	6.98 ±1.31 (5)	7.92 1.80 (5)	7.94 1.60 (5)	9.14 1.14 (5)	10.12[b] 1.09 (5)	10.14[b] 0.62 (5)	10.12[b] 0.80 (5)
HSD / 3	7.70 ±1.67 (5)	9.14 1.35 (5)	7.50 2.06 (5)	9.16 1.31 (5)	9.54 1.52 (5)	10.12 1.08 (5)	10.22 1.01 (5)
HSD / 12	6.82 ±1.61 (5)	8.26 1.36 (5)	9.06 0.53 (5)	8.30 1.76 (5)	9.14 1.77 (5)	9.50 0.72 (5)	9.64 0.71 (5)
HSD / 16	7.13 ±0.46 (4)	8.90 1.01 (5)	8.24 1.54 (5)	8.92 1.34 (5)	10.08 2.07 (5)	9.02 2.45 (5)	9.56 0.55 (5)
HS / 8	7.86 ±1.51 (5)	9.66 1.64 (5)	9.54 1.66 (5)	10.30 0.83 (5)	10.00 1.25 (5)	10.42 0.99 (5)	10.70 1.05 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Reticulocytes (%) - Females				
HS / 12	7.28 ±1.37 (4)	8.88 1.75 (5)	8.96 0.80 (5)	8.36 1.32 (5)	9.44 0.98 (5)	9.98 0.59 (5)	9.86 0.23 (5)
HS / 16	8.38 ±2.12 (5)	8.34 1.50 (5)	9.38 0.89 (5)	9.50 1.68 (4)	9.98 1.32 (4)	10.18 0.77 (4)	10.35 0.93 (4)
D70 / 8	7.90 ±1.15 (5)	8.84 1.85 (5)	8.86 1.14 (5)	9.28 1.60 (5)	10.26 0.77 (5)	9.66 0.68 (5)	9.80 0.73 (5)
D70 / 12	8.38 ±1.65 (4)	8.52 1.63 (5)	8.64 1.02 (5)	9.24 1.82 (5)	9.78 0.96 (5)	10.12 0.84 (5)	10.10 0.43 (5)
D70 / 16	6.92 ±1.25 (5)	8.78 1.82 (5)	7.56 1.59 (5)	8.74 2.32 (5)	10.02 0.73 (5)	9.86 0.58 (5)	9.80 0.88 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Nucleated Red Blood Cells (#/100 WBC) - Females							
RL / 16	0.2	0.0	0.0	0.0	0.8	0.4	0.0
	±0.4	0.0	0.0	0.0	1.1	0.5	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.2	1.0	0.2[c]	0.0	0.0	0.0	0.0
	±0.4	1.2	0.4	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	0.8	0.6	0.8[c]	0.8	0.2	0.0	0.0
	±1.1	1.3	1.8	1.3	0.4	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.8	0.2	0.2[c]	0.0	0.0	0.0	0.0
	±1.5	0.4	0.4	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	1.0	4.4	4.4[bd]	2.0	0.0	1.2	0.0
	±2.2	8.8	7.7	2.8	0.0	1.8	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Nucleated Red Blood Cells (#/100 WBC) - Females							
HS / 12	0.0	1.0	1.4[bd]	0.0	1.0	0.6	0.0
	±0.0	2.2	1.5	0.0	2.2	1.3	0.0
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.0	1.6	4.6[bd]	2.8	0.3	1.3	0.0
	±0.0	2.2	8.6	3.6	0.5	2.5	0.0
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	1.0	0.2	0.2[c]	0.8	1.6	0.0	0.0
	±1.4	0.4	0.4	1.3	1.8	0.0	0.0
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	1.0	0.0	0.4[c]	0.2	0.2	0.2	0.0
	±1.4	0.0	0.9	0.4	0.4	0.4	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	0.2	0.8	1.0[c]	0.0	1.4	0.0	0.2
	±0.4	1.8	2.2	0.0	1.9	0.0	0.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HSD dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Total Leukocyte Count ($x10^3/\mu l$) - Females							
RL / 16	9.52 ±1.37 (5)	9.62 2.78 (5)	10.20 1.94 (5)	10.58 0.62 (5)	10.92 2.80 (5)	9.78 0.79 (5)	6.16[b] 1.78 (5)
HSD / 8	8.50 ±1.29 (5)	10.08 1.32 (5)	10.06 1.22 (5)	9.80 0.66 (5)	8.70 3.08 (5)	7.54 1.42 (5)	6.38 1.16 (5)
HSD / 12	8.00 ±1.35 (5)	9.10 1.75 (5)	9.24 1.98 (5)	9.70 3.03 (5)	8.62 3.58 (5)	6.54 1.10 (5)	5.08[b] 1.18 (5)
HSD / 16	8.70 ±1.79 (4)	9.18 2.29 (5)	9.62 3.61 (5)	8.30 2.85 (5)	7.48 2.12 (5)	5.84[b] 2.69 (5)	4.64[b] 0.61 (5)
HS / 8	8.26 ±3.83 (5)	11.46 7.07 (5)	9.64 3.09 (5)	9.46 2.52 (5)	9.48 2.50 (5)	7.82 2.23 (5)	6.24 2.22 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
		Total Leukocyte Count ($x10^3/\mu l$) - Females					
HS / 12	7.35 ±2.68 (4)	9.36 2.66 (5)	9.96 1.64 (5)	10.40 1.37 (5)	10.26 1.77 (5)	9.20 1.79 (5)	5.98[b] 1.70 (5)
HS / 16	8.88 ±2.73 (5)	10.62 2.13 (5)	10.28 2.68 (5)	11.50 2.47 (4)	11.83 4.18 (4)	9.53 5.17 (4)	5.70 1.04 (4)
D70 / 8	7.34 ±1.24 (5)	8.10 1.18 (5)	8.42 1.27 (5)	8.26 1.83 (5)	8.62 0.24 (5)	7.36 1.56 (5)	5.46[b] 0.96 (5)
D70 / 12	8.45 ±2.33 (4)	9.26 1.35 (5)	9.22 1.29 (5)	8.88 1.82 (5)	9.96 1.08 (5)	7.32[b] 1.82 (5)	5.42[b] 2.31 (5)
D70 / 16	9.64 ±2.99 (5)	10.10 1.41 (5)	9.84 0.80 (5)	9.28 1.98 (5)	8.92 1.25 (5)	7.42[b] 0.63 (5)	5.68[b] 1.05 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Heterophils (%) - Females				
RL / 16	30.6	38.0	37.4	30.2	36.2	41.6	33.2
	±13.5	15.2	6.3	9.9	14.5	8.3	9.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	37.4	40.2	53.8	39.4	45.0	42.8	39.8
	±19.0	13.3	21.2	10.5	20.0	12.5	7.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	26.8	36.6	42.8	37.6	39.8	37.0	48.6
	±7.8	15.6	12.2	11.3	8.7	5.4	13.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	29.5	34.4	41.6	31.8	44.6	37.0	45.8
	±15.7	11.4	13.3	6.0	9.7	4.8	3.1
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	35.0	39.2	33.8	37.0	50.0	39.8	46.2
	±10.1	4.8	6.1	11.7	17.7	9.9	15.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Heterophils (%) - Females				
HS / 12	22.8 ±11.1 (4)	32.6 6.3 (5)	43.2 15.4 (5)	33.2 13.8 (5)	35.8 20.4 (5)	30.2 11.8 (5)	35.8 18.7 (5)
HS / 16	44.0 ±11.3 (5)	36.6 8.4 (5)	39.8 4.1 (5)	41.3 8.8 (4)	37.3 10.2 (4)	32.0 6.2 (4)	40.8 9.1 (4)
D70 / 8	29.4 ±10.5 (5)	43.2 7.2 (5)	45.4 5.7 (5)	43.6 5.9 (5)	45.0 7.3 (5)	33.6 10.0 (5)	38.0 14.6 (5)
D70 / 12	27.0 ±6.1 (4)	40.6 11.6 (5)	37.0 8.7 (5)	40.0 5.8 (5)	36.8 11.6 (5)	39.4 17.6 (5)	31.6 11.6 (5)
D70 / 16	32.6 ±23.0 (5)	36.4 11.0 (5)	41.8 23.4 (5)	37.6 15.4 (5)	43.0 17.0 (5)	40.6 15.6 (5)	43.2 12.5 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Immature Neutrophils (%) - Females							
RL / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 12	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 16	0.0 ±0.0 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HS / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Immature Neutrophils (%) - Females				
HS / 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	±0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Eosinophils (%) - Females				
RJ, / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 12	0.0 ±0.0 (5)	0.4 0.9 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 16	0.0 ±0.0 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HS / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Eosinophils (%) - Females				
HS / 12	0.3 ±0.5 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HS / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (4)	0.0 0.0 (4)	0.0 0.0 (4)	0.0 0.0 (4)
D70 / 8	0.0 ±0.0 (5)	0.4 0.9 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
D70 / 12	0.0 ±0.0 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
D70 / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Basophils (%) - Females				
RL / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 12	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HSD / 16	0.0 ±0.0 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HS / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Basophils (%) - Females				
HS / 12	0.0 ±0.0 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
HS / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (4)	0.0 0.0 (4)	0.0 0.0 (4)	0.0 0.0 (4)
D70 / 8	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
D70 / 12	0.0 ±0.0 (4)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)
D70 / 16	0.0 ±0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)	0.0 0.0 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)-7	0	Study Day 1	2	3	7	14
			Lymphocytes (%) - Females			
RL / 16	66.4	58.8	60.2	65.4	60.8	51.8	62.4
	±16.0	15.7	8.9	12.3	15.5	9.8	10.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	58.8	57.8	42.8	58.8	52.8	54.4	55.4
	±17.7	12.3	20.5	8.8	20.1	13.2	6.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	69.8	58.2	52.6	60.0	56.6	61.6	48.0
	±9.1	15.8	13.5	11.2	9.5	5.6	12.3
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	69.0	55.2	55.8	64.8	52.8	60.4	51.8
	±17.4	19.5	12.3	5.8	8.6	4.8	1.3
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	64.4	57.0	64.2	58.2	47.2	56.2	48.0
	±10.1	7.6	6.5	11.5	16.3	9.7	13.6
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Lymphocytes (%) - Females				
HS / 12	74.5 ±10.7 (4)	63.4 4.7 (5)	54.2 14.9 (5)	62.6 14.2 (5)	60.6 18.5 (5)	65.8 11.2 (5)	60.8 18.5 (5)
HS / 16	52.8 ±14.0 (5)	59.8 10.6 (5)	56.2 3.6 (5)	55.3 9.1 (4)	60.0 9.9 (4)	65.0 7.5 (4)	54.8 10.9 (4)
D70 / 8	67.2 ±9.9 (5)	52.2 8.3 (5)	50.4 4.9 (5)	53.6 5.9 (5)	51.2 7.0 (5)	62.8 10.8 (5)	59.6 15.4 (5)
D70 / 12	69.5 ±7.7 (4)	55.6 13.3 (5)	58.0 7.1 (5)	57.0 5.9 (5)	60.8 11.2 (5)	56.8 19.1 (5)	64.4 13.8 (5)
D70 / 16	65.6 ±21.9 (5)	61.4 12.3 (5)	56.4 24.6 (5)	59.8 16.5 (5)	53.6 16.8 (5)	56.2 15.4 (5)	53.4 12.5 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
			Monocytes (%) - Females				
RL / 16	1.8	1.6	1.6	2.6	2.0	2.8	0.8
	±1.5	1.1	2.1	1.5	1.9	1.9	0.4
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 8	0.8	0.8	2.4	0.8	1.6	1.6	1.2
	±0.8	0.8	1.5	1.3	0.5	2.1	1.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 12	1.8	1.0	2.4	1.4	2.2	0.8	1.4
	±1.1	1.0	1.5	0.5	1.1	0.8	1.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HSD / 16	0.5	2.2	1.0	1.2	1.2	1.2	0.6
	±0.6	1.5	1.0	0.8	0.8	0.8	0.5
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 8	0.6	2.2	0.6	2.2	1.2	0.8[b]	2.4
	±0.5	2.3	0.9	0.8	1.1	0.4	1.9
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
			Monocytes (%) - Females				
HS / 12	1.0	1.8	1.4	1.8	1.0	0.8[b]	0.8
	±0.8	1.5	0.5	2.2	0.7	0.8	0.8
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	1.2	2.2	1.2	2.5	1.5	0.5[b]	1.3
	±0.8	1.6	0.8	2.1	1.3	1.0	1.5
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	0.4	2.0	1.8	0.8	1.6	1.8[c]	0.6
	±0.9	1.2	1.5	0.8	1.8	0.4	0.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	1.3	1.4	1.6	0.8	1.0	2.2[c]	2.0
	±1.9	0.9	0.9	0.8	0.7	1.9	1.9
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	0.4	1.4	0.8	1.6	2.2	2.0[c]	1.8
	±0.5	1.9	0.8	1.5	1.3	0.7	1.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 D70 dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

[c] The mean of the 3 dose groups for the solution indicated is significantly different from the mean of the 3 HS dose groups at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Atypical Lymphocytes (%) - Females							
RL / 16	1.2 ±2.7 (5)	1.6 0.9 (5)	0.8 1.8 (5)	1.8 1.3 (5)	1.0 1.2 (5)	3.8 2.4 (5)	3.6 1.7 (5)
HSD / 8	3.0 ±3.0 (5)	1.2 1.6 (5)	1.0 1.0 (5)	1.0 1.4 (5)	0.6 0.5 (5)	1.2 1.3 (5)	3.6[b] 2.2 (5)
HSD / 12	1.6 ±1.5 (5)	3.8 3.6 (5)	2.2 2.2 (5)	1.0 1.0 (5)	1.4 1.5 (5)	0.6[d] 1.3 (5)	2.0 1.4 (5)
HSD / 16	1.0 ±1.4 (4)	2.2 1.1 (5)	1.6 1.8 (5)	2.2 1.5 (5)	1.4 1.3 (5)	1.6 0.9 (5)	1.8 1.9 (5)
HS / 8	0.0 ±0.0 (5)	1.6 2.3 (5)	1.4 1.3 (5)	2.6 1.5 (5)	1.6 1.3 (5)	3.2 3.5 (5)	3.2 3.6 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at p = 0.05 using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

[d] The mean of the dose and solution group indicated is significantly different from the mean of the respective HS dose group at p = 0.05 using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Atypical Lymphocytes (%) - Females							
HS / 12	1.5	2.2	1.2	2.4	2.6	3.2[c]	2.6
	±1.0	1.5	1.3	1.9	2.3	2.4	1.9
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	2.0	1.4	2.8	1.0	1.3	2.0	3.3
	±2.5	1.1	1.1	0.8	1.9	1.6	3.6
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	3.0	2.2	2.4	2.0	2.2	1.8	1.8
	±1.4	1.9	1.7	2.3	1.9	1.5	1.1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	2.3	2.4	3.4	2.2	1.4	1.2	2.0
	±1.9	1.3	2.9	1.6	0.9	1.3	2.1
	(4)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	1.4	0.8	1.0	1.0	1.2	1.2	1.6
	±1.1	0.8	1.2	1.4	0.8	1.3	0.5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

[b] Value is significantly different from the group baseline (Day 0) at $p = 0.05$ using the Dunnett's test.

[c] The mean of the dose and solution group indicated is significantly different from the mean of the respective HSD dose group at $p = 0.05$ using the Student-Newman-Keuls multiple range test.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)-7	0	Study Day 1	2	3	7	14
Prothrombin Time (seconds) - Females						
RL / 16	8.20 ±1.21 (5)	10.00 2.26 (5)	8.76 1.26 (5)	8.76 4.11 (5)	10.78 5.16 (5)	10.40 2.73 (5)	7.73 1.77 (5)
HSD / 8	7.72 ±1.10 (5)	7.94 0.91 (5)	7.76 1.66 (5)	8.60 1.10 (5)	8.52 1.15 (5)	7.30 1.43 (5)	9.74 2.82 (5)
HSD / 12	6.70 ±2.59 (5)	9.28 0.80 (5)	9.88 2.36 (5)	7.28 1.83 (5)	9.38 0.62 (4)	11.85 4.08 (4)	9.58 2.85 (5)
HSD / 16	8.04 ±0.80 (5)	8.86 0.70 (5)	9.38 1.10 (4)	9.70 1.01 (4)	9.70 2.49 (5)	10.40 4.49 (5)	9.32 1.91 (5)
HS / 8	7.90 ±1.20 (5)	8.44 1.14 (5)	8.28 1.80 (5)	7.82 1.12 (5)	8.64 7.14 (5)	8.88 3.24 (5)	9.86 4.75 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	Study Day 0	1	2	3	7	14
Prothrombin Time (seconds) - Females							
HS / 12	5.37 ±3.54 (3)	8.50 1.10 (5)	10.44 2.18 (5)	8.24 1.79 (5)	11.80 3.51 (5)	8.16 2.58 (5)	7.46 3.67 (5)
HS / 16	7.33 ±0.79 (4)	9.04 0.96 (5)	8.62 0.85 (5)	8.58 1.05 (4)	9.95 0.98 (4)	11.33 7.30 (4)	9.58 2.96 (4)
D70 / 8	7.92 ±1.73 (5)	8.62 1.58 (5)	8.78 1.75 (5)	9.36 2.11 (5)	10.24 3.11 (5)	11.86 5.31 (5)	7.56 0.73 (5)
D70 / 12	6.45 ±3.08 (4)	10.14 1.83 (5)	10.64 3.51 (5)	9.82 3.08 (5)	11.46 3.59 (5)	11.12 2.07 (5)	13.58 10.86 (5)
D70 / 16	5.43 ±2.57 (4)	9.74 1.04 (5)	9.32 1.55 (5)	10.56 5.23 (5)	13.34 4.70 (5)	12.26 4.94 (5)	10.58 2.98 (4)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)-7	Study Day 0	1	2	3	7	14
Activated Partial Thromboplastin Time (seconds) - Females						
RL / 16	28.80 ±9.20 (5)	138 40 25.94 (5)	121.82 63.01 (5)	122.60 61.27 (5)	121.36 64.04 (5)	105.74 61.91 (5)	51.52 55.41 (5)
HSD / 8	26.68 ±4.00 (5)	101.76 65.84 (5)	84.46 60.53 (5)	128.30 48.52 (5)	110.60 54.16 (5)	80.46 66.53 (5)	75.86 67.69 (5)
HSD / 12	78.22 ±65.86 (5)	150.00 0.00 (5)	150.00 0.00 (5)	150.00 0.00 (5)	150.00 0.00 (5)	150.00 0.00 (5)	118.46 44.41 (5)
HSD / 16	31.26 ±8.54 (5)	142.02 17.84 (5)	136.78 29.56 (5)	150.00 0.00 (5)	100.12 68.30 (5)	124.32 57.42 (5)	127.94 49.33 (5)
HS / 8	52.06 ±54.94 (5)	74.5 69.69 (5)	111.12 54.34 (5)	120.72 65.47 (5)	95.40 75.15 (5)	114.02 52.43 (5)	62.96 50.46 (5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

TABLE 6 (cont.)

Hematology Summary[a]

Group/Dose (ml/kg/day)	-7	0	Study Day 1	2	3	7	14
Activated Partial Thromboplastin Time (seconds) - Females							
HS / 12	55.60	150.00	150.00	150.00	150.00	108.02	79.76
	±64.99	0.00	0.00	0.00	0.00	59.26	68.65
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
HS / 16	103.20	134.42	150.00	150.00	150.00	117.80	63.33
	±64.43	34.84	0.00	0.00	0.00	64.40	61.37
	(5)	(5)	(5)	(4)	(4)	(4)	(4)
D70 / 8	26.84	126.44	150.00	150.00	128.20	150.00	104.92
	±5.35	52.68	0.00	0.00	48.75	0.00	61.73
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 12	55.85	150.00	150.00	124.64	150.00	150.00	126.32
	±65.06	0.00	0.00	56.71	0.00	0.00	52.95
	(5)	(5)	(5)	(5)	(5)	(5)	(5)
D70 / 16	74.70	125.16	150.00	102.16	150.00	123.82	127.12
	±69.36	55.54	0.00	65.51	0.00	58.54	51.16
	(5)	(5)	(5)	(5)	(5)	(5)	(5)

[a] Data are presented as the mean ± the standard deviation with the number of animals, n, in parentheses.

REFERENCES

1. Bellamy RF. The causes of death in conventional land warfare: Implications for combat casualty care research. Milit Med 1984; 149:55-62.

2. Kramer GC, Perron PR, Lindsey DC. Small-volume resuscitation with hypertonic saline dextran solution. Surgery 1986; 100:239-246.

3. Penfield WG. The treatment of severe and progressive hemorrhage by intravenous injection. Am J Physiol 1919; 48:121-128.

4. Velasco IT, Pontieri V, Rocha e Silva M. Hyperosmotic NaCl and severe hemorrhagic shock. Am J Physiol 1980; 239:H664-H673.

5. Maningas PA, DeGuzman RL, Tillman FJ, Hinson CS, Priegnitz KJ, Volk KA, Bellamy RF. Small-volume infusion of 7.5% NaCl in 6% Dextran 70® for the treatment of severe hemorrhagic shock in swine. Ann Emerg Med 1986; 15:1131-1137.

6. Holcroft JW, Vassar MJ, Turner JE, Derlet RW, Kramer GC. 3% NaCl and 7.5% NaCl/dextran 70 in the resuscitation of severely injured patients. Ann Surg 1987; 206:279-288.

7. Norenberg MD, Leslie KO, Robertson AS. Association between rise in serum sodium and central pontine myelinolysis. Ann Neurol 1982; 11:128-135.

8. Laureno R. Central pontine myelinolysis following rapid correction of hyponatremia. Ann Neurol 1983; 13:232-243.

9. Sterns RH, Riggs JE, Schochet SS. Osmotic demyelination syndrome following correction of hyponatremia. N Engl J Med 1986; 314:1535-1541.

10. Shackford SR, Fortlage DA, Peters RM. Serum osmolar and electrolyte changes associated with large infusions of hypertonic sodium lactate for intravascular volume expansion of patients undergoing aortic reconstruction. Surg Gynecol Obstet 1987; 164:127-136.

REFERENCES (cont.)

11. FDA, Nonclinical Laboratory Studies (21 CFR 58) Final Rule, 22 Dec 78 (43 FR 59986-60025).

12. Subchronic toxicity testing in rodents. LAIR Standard Operating Procedure OP-STX-74, Letterman Army Institute of Research, Presidio of San Francisco, CA, 15 May 1987.

13. Dixon DJ, ed. BMDP statistical software. Berkeley: University of California Press, 1981:555-573.

14. Zaucha GM, Frost DF, Omaye ST, Clifford CB, Korte DW. Acute intravenous toxicity study of hypertonic saline/Dextran 70® and its constituents in New Zealand White rabbits. Toxicology Series 246. Institute Report No. 364. Presidio of San Francisco, CA: Letterman Army Institute of Research, March 1989.

15. Frost DF, Zaucha GM, Omaye ST, Clifford CB, Korte DW. Acute intravenous toxicity study of hypertonic saline/Dextran 70® and its constituents in beagle dogs. Toxicology Series 247. Institute Report No. 392. Presidio of San Francisco, CA: Letterman Army Institute of Research, June 1989.

APPENDICES

Page

Appendix A.	Chemical Data	209
Appendix B.	Animal Data	213
Appendix C.	Historical Listing of Study Events	214
Appendix D.	Individual Animal Histories	216
Appendix E.	Body Weights	470
Appendix F.	Water Consumption	478
Appendix G.	Serum Chemistry	487
Appendix H.	Hematology	657
Appendix I.	Pathology Report	770

Appendix A: CHEMICAL DATA

Pharmacia

CERTIFICATE OF ANALYSIS 1988-06-27

6 % Dextran 70 in 7,5 %
Sodium Chloride Injection

Charge No. CD 59331

Identification	passed test
Inherent viscosity	26 ml/g
Absorbance	0,009
pH	5,2
Heavy metals	< 5 ppm
Assay for	
- Sodium chloride	75 g/1000 ml
- Dextran 70	59 g/1000 ml
Particulate matter	passed test
Sterility	passed test
Pyrogens	passed test

Realesed for clinical trials.

Pharmacia AB
Analytical Chemistry Department

Tord Jonsson

Pharmacia AB
S-751 82 Uppsala
Sweden

Tel: Nat 018-16 30 00, Int +46 18 16 30 00
Cable: pharmacia uppsala
Telex: 76027 pharmac s
Telecopier: Nat 018-15 41 35, Int +46 18 15 41 35

Appendix A (cont.): CHEMICAL DATA

Pharmacia

CERTIFICATE OF ANALYSIS 1988-05-27

7,5 % Sodium Chloride

Charge No. OD 59339

pH	6,2
Heavy metals	< 5 ppm
Assay for	
- Sodium chloride	71 g/1000 ml
Particulate matter	passed test
Sterility	passed test
Pyrogens	passed test

Realesed for clinical trials.

Pharmacia AB
Analytical Chemistry Department

Tord Jonsson

Pharmacia AB
S-751 82 Uppsala
Sweden
Nat 018-16 30 00
Int +46 18 16 30 00
pharmacia uppsala
76027 pharma s
Nat 018-15 41 35
Int +46 18 15 41 35

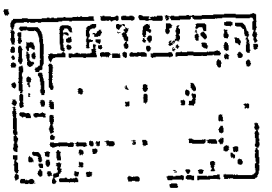
Appendix A (cont.): CHEMICAL DATA

Pharmacia Certificate of Analysis

Name MACRODEX 60 mg/ml in Normal Saline

Item No.: 10-4510-00 Charge No.: OD 59340

Test	Result	Tolerance limit	Control method
Inherent viscosity ml/g	26	25 - 28	03700
Colour	0.01	Max. 0,04	03811
pH	4.9	4,0 - 7,0	USP XX p. 968
Heavy metals ppm	< 5	Max. 5	USP XX p. 909
Assay for			
- sodium chloride g/1000 ml	8.86	8,10 - 9,90	02355
- dextran 70 g/1000 ml	59	54 - 66	02356
Sterility	Passed test	To pass test	02885
Pyrogens	Passed test	To pass test	02983



The identity is assured through strict adherence to established GMP rules throughout the manufacturing procedures.

Released for sale: 1988-04-19

fM09

Pharmacia AB
Quality Control Department
Jan Mazur

Postal address: Pharmacia AB, S-751 82 UPPSALA, Sweden
Telephone: Nat 018-16 30 00
Cables: pharmacia uppsala, Int + 46 18-16 30 00
Telex: 76027 pharmus
Telecopier: Nat 018-15 41 35, Int + 46 18-15 41 35

Appendix A (cont.): CHEMICAL DATA

Pharmacia

CERTIFICATE OF ANALYSIS 1988-06-27

Lactated Ringer's Inaection

Charge No. OD 59336

Identification	passed test
pH	5,8
Heavy metals	< 5 ppm
Assay for	
- Sodium	121 mmol/1000 ml
- Potassium	3,72 mmol/1000 ml
- Calcium	1,32 mmol/1000 ml
- Chloride	104 mmol/1000 ml
- Lactate	26,3 mmol/1000 ml
Particulate matter	passed test
Sterility	passed test
Pyrogens	passed test

Realesed for clinical trials.

Pharmacia AB
Analytical Chemistry Department

Tord Jonsson

Postal address
Pharmacia AB
S-751 82 Uppsala
Sweden

Telephone
Nat 018-16 30 00
Int +46 18 16 30 00

Cables
pharmacia
uppsala

Telex
76021
pharmtub s

Telecopier
Nat 018-15 41 35
Int +46 18 15 41 35

Appendix B: ANIMAL DATA

Species: *Oryctolagus cuniculus*

Strain: New Zealand White

Source: Hazleton Research Products, Inc.
P.O. Box 7200
Denver, PA 17517

Sex: Male and female

Date of birth: Males 9 Dec 88 and 8 Jan 89
Females 20 Jan 89.

Method of randomization: Weight bias, stratified animal allocation (XYBION Medical Systems PATH/TOX AESLCT Program)

Animals in each group: 5 males and 5 females

Condition of animals at start of study: Normal

Body weight range at dosing: Males 2.81 - 4.31 kg
Females 2.81 - 3.62 kg

Identification procedures: Supplier ear tattoo with corresponding LAIR animal number

Pretest conditioning: Quarantine/acclimation 30 March to 25 April, 4 May to 17 May 1989 and 11 May to 30 May 1989, Phase I and II, respectively

Justification: The laboratory rabbit is a standard laboratory model for subacute toxicity studies and is accepted by all regulatory agencies.

Appendix C: HISTORICAL LISTING OF STUDY EVENTS

Phase I

Date	Event
30 Mar,4 May 89	Phase I animals arrived. They were sexed, observed for illness, and caged in the GLP Suite. Sixty animals were assigned to the study.
31 Mar;4,10,17,24 Apr;1,2,3,9,10, 16,17,24,31 May 89	Phase I animals were weighed.
31 Mar-31 May 89	Phase I animals were observed twice daily.
10,17,24 Apr-9 May, 15-23 May, 30 May 89	Water consumption was monitored for Phase I animals.
17 April 89	Phase I animals were randomized into groups.
18,19,25,26,27,28, 29 Apr;2,3,4,5,6,9, 10,16-20,24,31 May 89	Blood was collected for hematology and clinical chemistry analyses, Phase I animals.
19-21,25-28 Apr; 15 May 89	Catheters were implanted into Phase I animals.
25 Apr;1,3,8,9, 15,16,30 May 89	Ophthalmic examinations were performed for Phase I animals.
25 Apr-31 May 89	Phase I animals were dosed beginning at approximately 0830 hours. Observations were conducted before and 1 hour after dosing, and in the pm.
9,10,16,17,31 May 89	Phase I animals were observed and delivered to the Necropsy Suite for euthanasia and necropsy.

Appendix C (cont.): HISTORICAL LISTING OF STUDY EVENTS

Phase II

Date	Event
11 May 89	Phase II animals arrived. They were sexed, observed for illness, and caged in the GLP Suite. Fifty-five animals were assigned to the study.
12 May-20 Jun 89	Phase II animals were observed twice daily.
12,15,22,29,30 May; 5-7,13-15,20,21 Jun 89	Phase II animals were weighed.
22 May 89	Phase II animals were randomized into dose groups.
16,22,29,30,31 May; 1-13, 19,20 Jun 89	Water consumption was monitored for Phase II animals.
23-26,30,31 May; 1,5 Jun 89	Catheters were implanted into Phase II animals.
23,24,30,31 May; 1-3,6-10,13,14,20, 21 Jun 89	Blood was collected for hematology. and clinical chemistry analyses, Phase II animals.
30 May;5,6,12,13, 19,20 Jun 89	Ophthalmic examinations were performed for Phase II animals.
30 May-20 Jun 89	Phase II animals were dosed beginning at approximately 0830 hours. Observations were conducted before and 1 hr after dosing, and in the pm.
13-14,20-21 Jun 89	Phase II animals were observed and delivered to the Necropsy Suite for euthanasia and necropsy.

Appendix D: INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00126	M/ 1/1	07-Jun-89 08:08	1 / 10:01	9	normal/no significant signs
			07-Jun-89 13:36	1 / 11:02	9	inactive, moderate disoriented, moderate increased respiratory depth, slight
			07-Jun-89 14:04	1 / 15:07	9	inactive, moderate disoriented, moderate red eyes, severe squinting, severe uncoordinated, moderate wide-legged stance, moderate, both
			08-Jun-89 07:51	2 / 08:10	9	disoriented, slight increased respiration, slight red eyes, slight uncoordinated, slight wide-legged stance, slight
			08-Jun-89 08:06	2 / 11:15	9	disoriented, moderate increased respiration, slight red eyes, slight uncoordinated, slight wide-legged stance, moderate inactive, moderate
			08-Jun-89 08:34	2 / 14:36	9	disoriented, slight wide-legged stance, slight hunched posture, slight
			08-Jun-89 09:04	3 / 07:34	9	disoriented, slight wide-legged stance, slight hunched posture, slight inactive, moderate increased respiration, slight uncoordinated, slight
			08-Jun-89 09:45	3 / 10:53	9	inactive, moderate disoriented, moderate increased respiration, slight red eyes, moderate uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00126	M/ 1/1	08-Jun-89	09:45	3 / 10:53	9	wide-legged stance, moderate hunched posture, moderate
			08-Jun-89	09:54	3 / 14:15	9	inactive, slight increased respiration, slight hunched posture, slight
			08-Jun-89	10:02	4 / 07:13	9	disoriented, slight hunched posture, slight wide-legged stance, slight
			08-Jun-89	10:10	4 / 10:36	9	disoriented, slight hunched posture, slight wide-legged stance, slight hyperactive, slight aggressive, moderate
			08-Jun-89	10:19	4 / 14:30	9	wide-legged stance, slight inactive, slight
			08-Jun-89	10:23	5 / 08:05	9	inactive, slight
			08-Jun-89	10:27	5 / 12:05	9	increased respiration, slight excessive thirst, moderate
			08-Jun-89	10:33	5 / 16:39	9	excessive thirst, moderate
			08-Jun-89	10:37	6 / 07:48	9	inactive, slight
			08-Jun-89	10:40	6 / 10:22	9	inactive, slight
			08-Jun-89	10:44	6 / 15:39	9	inactive, slight
			08-Jun-89	13:43	7 / 07:32	9	normal/no significant signs
			08-Jun-89	13:47	7 / 09:57	9	inactive, slight disoriented, moderate wide-legged stance, slight
			08-Jun-89	13:57	7 / 15:11	9	inactive, slight disoriented, slight uncoordinated, slight
			09-Jun-89	07:42	8 / 08:21	9	uncoordinated slight red eyes, slight tremors, slight
			09-Jun-89	07:50	8 / 11:10	9	uncoordinated, slight tremors, slight disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00126	M/ 1/1	09-Jun-89 07:50	8 / 11:10	9	hunched posture, moderate
			09-Jun-89 08:04	8 / 14:15	9	uncoordinated, slight tremors, slight disoriented, slight hunched posture, moderate inactive, moderate
			09-Jun-89 08:13	9 / 07:51	9	hunched posture, slight tremors, slight
			09-Jun-89 08:24	9 / 10:11	9	disoriented, moderate uncoordinated, slight hyperactive, slight excessive thirst, moderate pupils dilated, moderate, left eye
			09-Jun-89 08:37	9 / 14:29	9	inactive, slight hunched posture, moderate
			09-Jun-89 08:45	10 / 06:49	9	inactive, slight hunched posture, slight wide-legged stance, slight
			09-Jun-89 08:59	10 / 08:42	9	inactive, slight hunched posture, slight wide-legged stance, slight disoriented, slight
			09-Jun-89 09:11	10 / 14:40	9	normal/no significant signs
			09-Jun-89 09:30	11 / 06:52	9	inactive, slight tremors, slight hunched posture, slight wide-legged stance, slight
			09-Jun-89 09:38	11 / 09:06	9	disoriented, slight uncoordinated, slight tremors, slight hunched posture, slight
			09-Jun-89 10:02	11 / 14:39	9	hunched posture, slight
			09-Jun-89 13:37	12 / 09:12	9	hunched posture, slight disoriented, slight inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00126	M/ 1/1	09-Jun-89 13:41	12 / 10:53	9	hunched posture, moderate disoriented, moderate inactive, slight uncoordinated, moderate
			09-Jun-89 13:47	12 / 17:00	9	inactive, slight
			09-Jun-89 13:51	13 / 08:55	9	inactive, slight
			09-Jun-89 13:55	13 / 10:20	9	disoriented, moderate tremors, moderate hunched posture, moderate excessive thirst, slight
			09-Jun-89 14:03	13 / 17:00	9	inactive, slight hunched posture, slight
			09-Jun-89 14:07	14 / 07:45	9	normal/no significant signs
			09-Jun-89 14:12	14 / 09:41	9	inactive, slight
			09-Jun-89 14:22	14 / 14:13	9	inactive, slight disoriented, moderate
			09-Jun-89 14:28	15 / 07:10	9	tremors, slight disoriented, slight
2	89F00140	M/ 1/2	09-Jun-89 14:52	1 / 08:59	9	normal/no significant signs
			09-Jun-89 15:00	1 / 11:42	9	inactive, severe disoriented, moderate uncoordinated, slight increased respiratory depth, slight
			09-Jun-89 15:08	1 / 14:54	9	disoriented, slight uncoordinated, slight increased respiratory depth, slight
			13-Jun-89 13:20	2 / 07:55	9	inactive, moderate hunched posture, moderate
			13-Jun-89 13:27	2 / 11:18	9	inactive, slight hunched posture, moderate disoriented, slight uncoordinated, slight increased respiratory depth, slight pupils dilated, moderate
			13-Jun-89 13:37	2 / 14:33	9	inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
2	89F00140	M/ 1/2	13-Jun-89 13:41	3 / 07:34	9	inactive, slight
			13-Jun-89 13:49	3 / 14:05	9	normal/no significant signs
			13-Jun-89 15:28	4 / 08:13	9	normal/no significant signs
			13-Jun-89 15:31	4 / 14:30	9	excessive thirst, slight
			13-Jun-89 15:33	4 / 16:46	9	normal/no significant signs
			13-Jun-89 15:35	5 / 07:59	9	normal/no significant signs
			13-Jun-89 15:37	5 / 11:17	9	inactive, slight
			13-Jun-89 15:39	5 / 15:45	9	normal/no significant signs
			13-Jun-89 15:42	6 / 07:44	9	inactive, slight third eyelid forward, moderate
			13-Jun-89 15:45	6 / 11:12	9	inactive, slight increased respiratory depth, moderate pupils dilated, slight third eyelid forward, moderate
			13-Jun-89 15:49	6 / 15:29	9	inactive, slight disoriented, slight pupils dilated, moderate
			16-Jun-89 14:02	7 / 08:01	9	inactive, slight pupils dilated, slight third eyelid forward, slight
			16-Jun-89 14:13	7 / 10:17	9	inactive, slight disoriented, slight uncoordinated, slight
			16-Jun-89 14:23	7 / 14:30	9	inactive, slight hunched posture, moderate pupils dilated, moderate
			16-Jun-89 14:37	8 / 08:08	9	inactive, moderate pupils dilated, slight congested, slight disoriented, slight uncoordinated, slight
			16-Jun-89 14:45	8 / 10:33	9	inactive, moderate pupils dilated, slight congested, slight
			16-Jun-89 14:54	8 / 14:41	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
2	89F00140	M/ 1/2	16-Jun-89 15:19	9 / 07:08	9	pupils dilated, right eye
			16-Jun-89 15:23	9 / 09:43	9	inactive, moderate hunched posture, slight
			16-Jun-89 15:28	9 / 14:40	9	inactive, slight
			16-Jun-89 15:32	10 / 07:12	9	normal/no significant signs
			16-Jun-89 15:35	10 / 09:43	9	disoriented, slight uncoordinated, slight hunched posture, moderate
			16-Jun-89 15:43	10 / 14:48	9	hunched posture, slight
			16-Jun-89 15:46	11 / 09:20	9	inactive, slight
			16-Jun-89 15:48	11 / 11:52	9	hunched posture, slight
			16-Jun-89 15:53	11 / 17:05	9	inactive, slight
			19-Jun-89 07:31	12 / 09:00	9	normal/no significant signs
			19-Jun-89 07:33	12 / 10:41	9	disoriented, slight uncoordinated, slight hunched posture, slight tremors, slight
			19-Jun-89 07:40	12 / 17:05	9	normal/no significant signs
			19-Jun-89 07:43	13 / 07:50	9	inactive, slight
			19-Jun-89 07:46	13 / 10:10	9	inactive, slight hunched posture, slight
			19-Jun-89 07:56	13 / 14:22	9	disoriented, slight hunched posture, slight inactive, moderate
			19-Jun-89 08:03	14 / 07:51	9	tremors, slight hunched posture, slight inactive, slight
			19-Jun-89 08:15	14 / 09:35	9	disoriented, moderate lack of grooming, moderate inactive, moderate hunched posture, moderate tremors, moderate wide-legged stance, moderate
			19-Jun-89 08:31	14 / 14:24	9	hunched posture, moderate inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010K
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
2	89F00140	M/ 1/2	19-Jun-89 08:40	15 / 07:08	9	hunched posture, moderate inactive, slight
3	89F00155	M/ 1/3	19-Jun-89 08:53	1 / 08:47	9	inactive, slight hunched posture, slight
			19-Jun-89 09:06	1 / 10:52	9	inactive, slight hunched posture, slight disoriented, slight uncoordinated, slight
			19-Jun-89 09:19	1 / 14:49	9	inactive, moderate hunched posture, slight
			19-Jun-89 10:11	2 / 08:42	9	uncoordinated, slight
			19-Jun-89 13:16	2 / 10:55	9	inactive, moderate hunched posture, slight disoriented, slight
			19-Jun-89 13:23	2 / 14:50	9	normal/no significant signs
			19-Jun-89 13:28	3 / 07:23	9	hunched posture, slight catheter pulled out tremors, slight
			19-Jun-89 13:42	3 / 14:40	9	disoriented, slight
			30-Aug-89 10:44	3 / 17:20	4	normal/no significant signs
			19-Jun-89 13:48	4 / 07:33	9	hunched posture, slight edema ventral, moderate increased respiration, slight
			19-Jun-89 13:56	4 / 10:07	9	edema ventral, severe increased respiration, slight inactive, moderate swollen testes, moderate
			19-Jun-89 14:06	4 / 14:58	9	inactive, slight edema ventral, severe
			19-Jun-89 14:10	5 / 09:25	9	edema ventral, severe
			19-Jun-89 14:16	5 / 12:19	9	edema ventral, severe inactive, slight hunched posture, slight
			19-Jun-89 14:20	5 / 17:10	9	edema ventral, severe
			19-Jun-89 14:25	6 / 09:05	9	edema ventral, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
3	89F00155	M/ 1/3	19-Jun-89 14:28	6 / 11:05	9	edema ventral, severe inactive, slight
			19-Jun-89 14:32	6 / 17:10	9	edema ventral, severe
			19-Jun-89 14:34	7 / 07:55	9	edema ventral, severe
			19-Jun-89 14:36	7 / 10:28	9	edema ventral, severe
			19-Jun-89 14:41	7 / 14:11	9	normal/no significant signs
			19-Jun-89 15:11	8 / 08:17	9	startles, slight
			19-Jun-89 15:20	8 / 10:48	9	inactive, slight hunched posture, slight disoriented, moderate uncoordinated, moderate
			19-Jun-89 15:31	8 / 14:37	9	hunched posture, slight disoriented, slight aggressive, slight
			20-Jun-89 07:50	9 / 07:26	9	disoriented, slight inactive, moderate uncoordinated, slight
			20-Jun-89 08:02	9 / 09:53	9	disoriented, slight hyperactive, slight uncoordinated, slight
			20-Jun-89 08:08	9 / 14:57	9	normal/no significant signs
			20-Jun-89 13:16	10 / 08:14	9	inactive, slight
			20-Jun-89 13:24	10 / 09:53	9	hunched posture, moderate disoriented, slight uncoordinated, slight
			20-Jun-89 13:34	10 / 14:25	9	normal/no significant signs
			20-Jun-89 13:39	11 / 08:32	9	normal/no significant signs
			20-Jun-89 13:44	11 / 09:56	9	hunched posture, moderate disoriented, slight uncoordinated, slight
			20-Jun-89 13:51	11 / 14:24	9	hunched posture, slight disoriented, slight
			20-Jun-89 13:57	12 / 08:27	9	normal/no significant signs
			20-Jun-89 14:03	12 / 10:50	9	disoriented, slight
			20-Jun-89 14:08	12 / 20:07	9	normal/no significant signs
			20-Jun-89 14:11	13 / 08:12	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 9

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
3	89F00155	M/ 1/3	20-Jun-89 14:17	13 / 10:20	9	inactive, slight disoriented, moderate lameness, severe, rt fore leg
			20-Jun-89 14:23	13 / 14:04	9	disoriented, slight lameness, severe, rt fore leg
			20-Jun-89 14:30	14 / 08:59	9	lameness, severe, rt fore leg
			20-Jun-89 14:37	14 / 10:27	9	lameness, severe, left front leg congested, slight disoriented, slight
			20-Jun-89 15:01	14 / 15:17	9	lameness, severe, left front leg increased respiratory depth, slight
			20-Jun-89 15:08	15 / 07:50	9	lameness, severe, left front leg
4	89F00166	M/ 1/4	21-Jun-89 09:01	1 / 08:32	9	inactive, slight
			21-Jun-89 09:05	1 / 11:23	9	inactive, moderate increased respiration, slight
			21-Jun-89 09:21	1 / 14:57	9	inactive, moderate
			21-Jun-89 09:24	2 / 07:36	9	hunched posture, slight
			21-Jun-89 09:48	2 / 10:40	9	hunched posture, slight inactive, moderate increased respiration, moderate
			21-Jun-89 09:57	2 / 14:40	9	hunched posture, slight inactive, slight excessive thirst, severe
			21-Jun-89 10:18	3 / 07:43	9	hunched posture, slight inactive, slight increased respiration, slight
			21-Jun-89 10:25	3 / 10:22	9	hunched posture, moderate inactive, moderate excessive thirst, slight
			21-Jun-89 10:32	3 / 15:05	9	inactive, slight
			21-Jun-89 10:37	4 / 09:30	9	inactive, slight
			21-Jun-89 10:42	4 / 12:45	9	hunched posture, slight excessive thirst, slight
			21-Jun-89 10:47	4 / 17:15	9	inactive, slight
			22-Jun-89 09:19	5 / 09:10	9	inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
4	89F00166	M/ 1/4	22-Jun-89 09:21	5 / 11:26	9	inactive, slight hunched posture, slight excessive thirst, slight
			22-Jun-89 09:24	5 / 17:15	9	inactive, slight
			22-Jun-89 09:27	6 / 08:00	9	normal/no significant signs
			22-Jun-89 09:29	6 / 10:45	9	normal/no significant signs
			22-Jun-89 09:34	6 / 14:30	9	uncoordinated, slight
			22-Jun-89 09:43	7 / 08:34	9	inactive, slight
			22-Jun-89 09:48	7 / 10:00	9	inactive, slight hunched posture, slight uncoordinated, moderate disoriented, moderate
			22-Jun-89 09:59	7 / 14:42	9	inactive, slight disoriented, moderate increased respiration, slight
			22-Jun-89 10:11	8 / 07:40	9	inactive, slight disoriented, slight increased respiration, slight
			22-Jun-89 10:19	8 / 10:42	9	inactive, slight increased respiration, moderate
			22-Jun-89 10:24	8 / 15:04	9	increased respiration, slight
			22-Jun-89 13:31	9 / 08:25	9	increased respiration, moderate inactive, slight
			22-Jun-89 13:35	9 / 10:16	9	inactive, moderate disoriented, slight hunched posture, moderate
			22-Jun-89 13:41	9 / 14:32	9	inactive, slight
			22-Jun-89 13:46	10 / 08:15	9	inactive, moderate hunched posture, moderate
			22-Jun-89 13:51	10 / 10:16	9	disoriented, moderate uncoordinated, slight excessive thirst, slight
			22-Jun-89 13:59	10 / 14:31	9	disoriented, moderate excessive thirst, moderate increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
4	89F00166	M/ 1/4	22-Jun-89 14:05	11 / 08:34	9	disoriented, slight lameness, moderate, rt fore leg
			22-Jun-89 14:10	11 / 11:15	9	disoriented, slight lameness, moderate, rt fore leg inactive, moderate hunched posture, slight excessive thirst, moderate
			22-Jun-89 14:15	11 / 20:12	9	lameness, moderate, rt fore leg hunched posture, slight
			22-Jun-89 14:19	12 / 08:21	9	lameness, moderate, rt fore leg hunched posture, slight inactive, moderate
			22-Jun-89 14:26	12 / 10:48	9	lameness, moderate, rt fore leg hunched posture, slight inactive, slight disoriented, moderate uncoordinated, slight
			22-Jun-89 14:34	12 / 14:08	9	lameness, moderate, rt fore leg hunched posture, slight inactive, slight disoriented, slight uncoordinated, slight
			22-Jun-89 14:49	13 / 09:07	9	inactive, slight disoriented, slight
			22-Jun-89 14:54	13 / 10:48	9	inactive, moderate disoriented, moderate hunched posture, slight lameness, moderate, rt fore leg
			22-Jun-89 15:00	13 / 15:24	9	disoriented, slight hunched posture, slight lameness, moderate, rt fore leg
			22-Jun-89 15:04	14 / 07:59	9	hunched posture, slight lameness, moderate, rt fore leg
			22-Jun-89 15:09	14 / 09:33	9	hunched posture, moderate lameness, moderate, rt fore leg

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
4	89F00166	M/ 1/4	22-Jun-89	15:09	14 / 09:33	9	inactive, slight disoriented, slight
			22-Jun-89	15:16	14 / 14:54	9	hunched posture, slight lameness, moderate, rt fore leg inactive, slight tremors, slight
			22-Jun-89	15:22	15 / 07:11	9	hunched posture, moderate lameness, moderate, rt fore leg
5	89F00130	M/ 1/4	21-Jun-89	09:01	1 / 08:30	9	normal/no significant signs
			21-Jun-89	09:05	1 / 11:15	9	normal/no significant signs
			21-Jun-89	09:21	1 / 14:54	9	normal/no significant signs
			21-Jun-89	09:27	2 / 07:31	9	pupils dilated, slight uncoordinated, slight disoriented, slight
			21-Jun-89	09:48	2 / 10:29	9	pupils dilated, slight uncoordinated, slight disoriented, moderate
			21-Jun-89	09:58	2 / 14:40	9	normal/no significant signs
			21-Jun-89	10:19	3 / 07:21	9	pupils dilated, slight uncoordinated, moderate disoriented, moderate tremors, slight hyperactive, slight wide-legged stance, slight
			21-Jun-89	10:26	3 / 10:19	9	pupils dilated, slight uncoordinated, moderate disoriented, moderate tremors, slight wide-legged stance, moderate
			21-Jun-89	10:32	3 / 15:03	9	inactive, slight
			21-Jun-89	10:37	4 / 09:30	9	inactive, slight pupils dilated, slight
			21-Jun-89	10:42	4 / 12:30	9	disoriented, slight pupils dilated, slight
			21-Jun-89	10:47	4 / 17:15	9	pupils dilated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
5	89F00130	M/ 1/4	22-Jun-89 09:19	5 / 09:10	9	pupils dilated, slight
			22-Jun-89 09:21	5 / 11:18	9	pupils dilated, slight inactive, slight
			22-Jun-89 09:24	5 / 17:15	9	pupils dilated, slight inactive, slight
			22-Jun-89 09:27	6 / 08:00	9	pupils dilated, slight
			22-Jun-89 09:30	6 / 10:46	9	pupils dilated, moderate uncoordinated, moderate disoriented, moderate
			22-Jun-89 09:35	6 / 14:27	9	pupils dilated, moderate uncoordinated, moderate disoriented, moderate
			22-Jun-89 09:43	7 / 08:25	9	pupils dilated, moderate uncoordinated, moderate disoriented, moderate
			22-Jun-89 09:49	7 / 09:55	9	pupils dilated, slight uncoordinated, slight disoriented, moderate tremors, slight hyperactive, slight inactive, slight increased respiration, slight
			22-Jun-89 10:00	7 / 14:33	9	increased respiration, moderate hunched posture, slight
			22-Jun-89 10:12	8 / 07:33	9	disoriented, slight uncoordinated, slight
			22-Jun-89 10:20	8 / 10:31	9	increased respiration, slight
			22-Jun-89 10:24	8 / 15:01	9	normal/no significant signs
			22-Jun-89 13:31	9 / 08:22	9	hunched posture, slight disoriented, slight uncoordinated, slight
			22-Jun-89 13:36	9 / 10:07	9	disoriented, moderate uncoordinated, moderate
			22-Jun-89 13:42	9 / 14:30	9	disoriented, slight disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 14

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
5	89F00130	M/ 1/4	22-Jun-89 13:46	10 / 08:11	9	disoriented, slight disoriented, slight
			22-Jun-89 13:51	10 / 10:08	9	disoriented, moderate uncoordinated, moderate
			22-Jun-89 13:59	10 / 14:28	9	disoriented, slight increased respiration, slight
			22-Jun-89 14:06	11 / 08:31	9	disoriented, slight uncoordinated, slight
			22-Jun-89 14:11	11 / 11:08	9	disoriented, moderate uncoordinated, slight exophthalmus, slight
			22-Jun-89 14:16	11 / 20:10	9	disoriented, slight uncoordinated, slight
			22-Jun-89 14:19	12 / 08:16	9	disoriented, slight uncoordinated, slight
			22-Jun-89 14:26	12 / 10:38	9	disoriented, moderate uncoordinated, slight
			22-Jun-89 14:35	12 / 14:06	9	disoriented, slight uncoordinated, slight hunched posture, slight inactive, slight increased respiration, slight
			22-Jun-89 14:49	13 / 09:04	9	disoriented, slight uncoordinated, slight
			22-Jun-89 14:56	13 / 10:35	9	disoriented, moderate uncoordinated, moderate hunched posture, slight exophthalmus, slight swollen testes, moderate hyperactive, slight
			22-Jun-89 15:01	13 / 15:20	9	disoriented, moderate uncoordinated, moderate hyperactive, slight
			22-Jun-89 15:04	14 / 07:55	9	disoriented, moderate uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
5	89F00130	M/ 1/4	22-Jun-89 15:09	14 / 09:29	9	disoriented, moderate uncoordinated, moderate hunched posture, slight
			22-Jun-89 15:17	14 / 14:49	9	disoriented, moderate uncoordinated, moderate tremors, moderate
			22-Jun-89 15:22	15 / 07:08	9	hunched posture, slight lack of appetite, moderate
6	89F00116	M/ 2/1	07-Jun-89 09:08	1 / 08:36	9	normal/no significant signs
			07-Jun-89 13:37	1 / 09:40	9	tremors, slight disoriented, moderate
			07-Jun-89 15:05	1 / 14:58	9	disoriented, slight inactive, slight hunched posture, slight
			08-Jun-89 07:5[illegible]	2 / 08:05	9	disoriented, slight inactive, slight hunched posture, slight uncoordinated, slight
			08-Jun-89 08:08	2 / 09:50	9	disoriented, slight hunched posture, slight uncoordinated, slight increased respiratory depth, slight hyperactive, moderate
			08-Jun-89 08:35	2 / 14:37	9	disoriented, slight
			08-Jun-89 09:06	3 / 07:35	9	inactive, moderate hunched posture, slight hyperactive, slight
			08-Jun-89 09:47	3 / 10:45	9	disoriented, moderate inactive, moderate hunched posture, moderate uncoordinated, slight increased respiratory depth, slight wide-legged stance, slight
			08-Jun-89 09:55	3 / 14:17	9	inactive, slight hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
6	89F00118	M/ 2/1	08-Jun-89 09:55	3 / 14:17	9	increased respiratory depth, slight excessive thirst, slight
			08-Jun-89 10:04	4 / 07:15	9	inactive, slight hunched posture, slight disoriented, slight hyperactive, slight excessive thirst, slight
			08-Jun-89 10:11	4 / 10:30	9	inactive, slight
			08-Jun-89 10:19	4 / 14:15	9	inactive, slight
			08-Jun-89 10:23	5 / 08:02	9	inactive, slight
			08-Jun-89 10:27	5 / 11:57	9	inactive, slight
			08-Jun-89 10:31	5 / 16:36	9	excessive thirst, moderate
			08-Jun-89 10:37	6 / 07:49	9	normal/no significant signs
			08-Jun-89 10:41	6 / 10:23	9	inactive, slight
			08-Jun-89 10:44	6 / 15:37	9	inactive, slight
			08-Jun-89 13:44	7 / 07:26	9	disoriented, slight uncoordinated, slight wide-legged stance, slight
			08-Jun-89 13:47	7 / 10:10	9	tremors, moderate disoriented, slight inactive, slight uncoordinated, slight
			08-Jun-89 13:58	7 / 15:12	9	disoriented, slight inactive, slight uncoordinated, moderate
			09-Jun-89 07:43	8 / 08:23	9	inactive, slight hunched posture, slight
			09-Jun-89 07:50	8 / 11:13	9	inactive, moderate hunched posture, slight disoriented, moderate uncoordinated, moderate red eyes, moderate
			09-Jun-89 08:05	8 / 14:15	9	inactive, slight hunched posture, slight disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
6	89F00118	M/ 2/1	09-Jun-89 08:05	8 / 14:15	9	uncoordinated, slight
			09-Jun-89 08:13	9 / 07:52	9	inactive, slight hunched posture, slight
			09-Jun-89 08:25	9 / 09:40	9	inactive, moderate hunched posture, slight disoriented, moderate uncoordinated, slight
			09-Jun-89 08:37	9 / 14:30	9	inactive, slight hunched posture, slight excessive thirst, slight
			09-Jun-89 08:45	10 / 06:51	9	inactive, slight hunched posture, slight disoriented, slight
			09-Jun-89 09:02	10 / 08:56	9	hunched posture, slight uncoordinated, moderate lameness, moderate, right leg
			09-Jun-89 09:12	10 / 14:40	9	uncoordinated, slight lameness, slight, right leg
			09-Jun-89 09:31	11 / 06:53	9	lameness, moderate, right leg
			09-Jun-89 09:44	11 / 10:54	9	inactive, slight disoriented, slight uncoordinated, moderate hunched posture, moderate
			09-Jun-89 10:03	11 / 14:40	9	inactive, slight hunched posture, slight
			09-Jun-89 13:37	12 / 09:14	9	inactive, slight hunched posture, slight lameness, moderate, right leg
			09-Jun-89 13:42	12 / 11:30	9	inactive, slight hunched posture, moderate lameness, moderate, right leg disoriented, moderate uncoordinated, moderate
			09-Jun-89 13:48	12 / 17:00	9	inactive, slight
			09-Jun-89 13:51	13 / 08:55	9	inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
6	89F00118	M/ 2/1	09-Jun-89 13:57	13 / 10:23	9	inactive, slight disoriented, moderate uncoordinated, moderate hunched posture, slight lameness, moderate, right leg nervous chewing, moderate
			09-Jun-89 14:04	13 / 17:00	9	inactive, slight
			09-Jun-89 14:08	14 / 07:45	9	inactive, slight hunched posture, slight
			09-Jun-89 14:15	14 / 11:40	9	inactive, slight
			09-Jun-89 14:22	14 / 14:04	9	disoriented, slight hunched posture, slight
			09-Jun-89 14:28	15 / 07:11	9	disoriented, slight hunched posture, slight
7	89F00141	M/ 2/2	09-Jun-89 14:52	1 / 09:00	9	normal/no significant signs
			09-Jun-89 15:01	1 / 12:00	9	excessive thirst, slight disoriented, moderate hunched posture, moderate
			09-Jun-89 15:09	1 / 14:59	9	disoriented, slight hunched posture, slight
			13-Jun-89 13:21	2 / 07:58	9	disoriented, slight hunched posture, slight inactive, slight
			13-Jun-89 13:28	2 / 11:56	9	disoriented, slight inactive, slight uncoordinated, slight
			13-Jun-89 13:37	2 / 14:34	9	normal/no significant signs
			13-Jun-89 13:41	3 / 07:36	9	normal/no significant signs
			13-Jun-89 13:49	3 / 14:06	9	normal/no significant signs
			13-Jun-89 15:29	4 / 08:13	9	normal/no significant signs
			13-Jun-89 15:31	4 / 11:56	9	normal/no significant signs
			13-Jun-89 15:33	4 / 16:47	9	normal/no significant signs
			13-Jun-89 15:35	5 / 07:59	9	normal/no significant signs
			13-Jun-89 15:37	5 / 11:22	9	inactive, slight
			13-Jun-89 15:39	5 / 15:46	9	inactive, slight
			13-Jun-89 15:42	6 / 07:46	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
7	89F00141	M/ 2/2	13-Jun-89 15:45	6 / 11:19	9	disoriented, moderate hunched posture, slight hyperactive, moderate tremors, moderate
			13-Jun-89 15:49	6 / 15:30	9	disoriented, slight hunched posture, slight hyperactive, slight uncoordinated, slight
			15-Jun-89 14:04	7 / 08:04	9	hyperactive, slight tremors, slight pupils dilated, slight
			16-Jun-89 14:17	7 / 10:23	9	hyperactive, slight excessive thirst, slight disoriented, moderate hunched posture, slight uncoordinated, slight
			16-Jun-89 14:24	7 / 14:32	9	disoriented, slight uncoordinated, slight tremors, slight pupils dilated, moderate
			16-Jun-89 14:37	8 / 08:10	9	disoriented, slight hunched posture, slight
			16-Jun-89 14:45	8 / 10:35	9	normal/no significant signs
			16-Jun-89 14:54	8 / 14:41	9	normal/no significant signs
			16-Jun-89 15:20	9 / 07:09	9	hyperactive, slight
			16-Jun-89 15:23	9 / 09:46	9	hyperactive, slight aggressive, slight
			16-Jun-89 15:28	9 / 14:40	9	normal/no significant signs
			16-Jun-89 15:32	10 / 07:15	9	normal/no significant signs
			16-Jun-89 15:36	10 / 09:45	9	hunched posture, moderate disoriented, moderate hyperactive, moderate aggressive, slight
			16-Jun-89 15:43	10 / 14:49	9	normal/no significant signs
			16-Jun-89 15:46	11 / 09:20	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
7	89F00141	M/ 2/2	16-Jun-89 15:49	11 / 12:00	9	disoriented, slight inactive, slight hunched posture, slight
			16-Jun-89 15:53	11 / 17:05	9	inactive, slight
			19-Jun-89 07:31	12 / 09:00	9	normal/no significant signs
			19-Jun-89 07:34	12 / 10:47	9	hunched posture, slight disoriented, slight uncoordinated, moderate
			19-Jun-89 07:41	12 / 17:05	9	normal/no significant signs
			19-Jun-89 07:43	13 / 07:50	9	normal/no significant signs
			19-Jun-89 07:46	13 / 10:11	9	hunched posture, slight disoriented, slight uncoordinated, moderate
			19-Jun-89 07:56	13 / 14:24	9	disoriented, slight uncoordinated, slight
			19-Jun-89 08:04	14 / 07:53	9	disoriented, slight hyperactive, slight
			19-Jun-89 08:16	14 / 09:41	9	disoriented, moderate hyperactive, moderate hunched posture, moderate uncoordinated, moderate
			19-Jun-89 08:32	14 / 14:25	9	increased respiration, slight excessive thirst, moderate
			19-Jun-89 08:40	15 / 07:10	9	normal/no significant signs
8	89F00132	M/ 2/2	09-Jun-89 14:53	1 / 08:55	9	normal/no significant signs
			09-Jun-89 15:03	1 / 11:01	9	hyperactive, moderate disoriented, moderate uncoordinated, moderate wide-legged stance, slight excessive thirst, slight
			09-Jun-89 15:10	1 / 14:50	9	hyperactive, slight disoriented, slight uncoordinated, slight wide-legged stance, slight excessive thirst, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
8	89F00132	M/ 2/2	13-Jun-89 13:21	2 / 07:50	9	disoriented, slight
			13-Jun-89 13:28	2 / 12:15	9	disoriented, slight hyperactive, slight uncoordinated, slight excessive thirst, slight
			13-Jun-89 13:37	2 / 14:29	9	excessive thirst, slight
			13-Jun-89 13:41	3 / 07:30	9	hunched posture, slight
			13-Jun-89 13:47	3 / 11:32	9	normal/no significant signs
			13-Jun-89 13:49	3 / 14:00	9	hunched posture, slight
			13-Jun-89 15:29	4 / 08:10	9	normal/no significant signs
			13-Jun-89 15:31	4 / 13:35	9	excessive thirst, moderate
			13-Jun-89 15:33	4 / 16:44	9	excessive thirst, moderate
			13-Jun-89 15:35	5 / 07:54	9	normal/no significant signs
			13-Jun-89 15:37	5 / 11:03	9	inactive, slight
			13-Jun-89 15:39	5 / 15:43	9	normal/no significant signs
			13-Jun-89 15:42	6 / 07:36	9	normal/no significant signs
			13-Jun-89 15:46	6 / 11:04	9	disoriented, slight wide-legged stance, slight excessive thirst, slight hunched posture, slight
			13-Jun-89 15:50	6 / 15:22	9	disoriented, slight excessive thirst, moderate hunched posture, moderate
			16-Jun-89 14:04	7 / 07:53	9	hunched posture, slight
			16-Jun-89 14:18	7 / 10:06	9	disoriented, slight uncoordinated, slight wide-legged stance, slight inactive, slight
			16-Jun-89 14:25	7 / 14:25	9	disoriented, slight uncoordinated, slight wide-legged stance, slight inactive, slight excessive thirst, moderate hunched posture, slight
			16-Jun-89 14:39	8 / 08:03	9	disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
8	89F00132	M/ 2/2	16-Jun-89 14:39	8 / 08:03	9	uncoordinated, slight wide-legged stance, slight tremors, slight pupils dilated, slight
			16-Jun-89 14:46	8 / 10:20	9	disoriented, slight uncoordinated, slight pupils dilated, slight increased respiratory depth, slight
			16-Jun-89 14:54	8 / 14:37	9	excessive thirst, severe
			16-Jun-89 15:20	9 / 07:02	9	normal/no significant signs
			16-Jun-89 15:24	9 / 09:22	9	disoriented, moderate uncoordinated, slight pupils dilated, slight excessive thirst, severe hunched posture, moderate
			16-Jun-89 15:29	9 / 14:40	9	inactive, slight excessive thirst, moderate
			16-Jun-89 15:32	10 / 07:09	9	inactive, slight hunched posture, slight
			16-Jun-89 15:37	10 / 09:34	9	hunched posture, slight excessive thirst, moderate disoriented, moderate uncoordinated, moderate tremors, moderate
			16-Jun-89 15:43	10 / 14:45	9	inactive, slight
			16-Jun-89 15:46	11 / 09:20	9	inactive, slight hunched posture, slight
			16-Jun-89 15:49	11 / 11:45	9	inactive, slight hunched posture, moderate uncoordinated, slight disoriented, slight excessive thirst, slight
			16-Jun-89 15:53	11 / 17:05	9	inactive, slight
			19-Jun-89 07:31	12 / 09:00	9	inactive, slight
			19-Jun-89 07:35	12 / 10:35	9	disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
8	89F00132	M/ 2/2	19-Jun-89 07:35	12 / 10:35	9	uncoordinated, moderate tremors, moderate wide-legged stance, moderate
			19-Jun-89 07:41	12 / 17:05	9	inactive, slight
			19-Jun-89 07:43	13 / 07:50	9	normal/no significant signs
			19-Jun-89 07:47	13 / 10:04	9	disoriented, slight uncoordinated, moderate hunched posture, severe inactive, slight
			19-Jun-89 07:57	13 / 14:17	9	disoriented, moderate hunched posture, severe
			19-Jun-89 08:04	14 / 07:22	9	disoriented, slight hunched posture, slight uncoordinated, slight inactive, slight
			19-Jun-89 08:17	14 / 09:13	9	disoriented, slight hunched posture, moderate inactive, slight excessive thirst, slight
			19-Jun-89 08:32	14 / 14:20	9	normal/no significant signs
			19-Jun-89 08:40	15 / 07:04	9	disoriented, slight hunched posture, moderate
9	89F00176	M/ 2/4	21-Jun-89 09:02	1 / 08:40	9	hunched posture, slight increased respiration, slight
			21-Jun-89 09:05	1 / 11:43	9	hunched posture, slight increased respiration, slight excessive thirst, moderate
			21-Jun-89 09:22	1 / 15:04	9	hunched posture, slight increased respiration, slight excessive thirst, moderate
			21-Jun-89 09:27	2 / 07:45	9	inactive, slight
			21-Jun-89 09:49	2 / 10:57	9	inactive, slight hunched posture, slight excessive thirst, moderate
			21-Jun-89 09:58	2 / 14:40	9	inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
9	89F00176	M/ 2/4	21-Jun-89 09:58	2 / 14:40	9	excessive thirst, severe
			21-Jun-89 10:19	3 / 07:50	9	normal/no significant signs
			21-Jun-89 10:26	3 / 10:30	9	hunched posture, slight excessive thirst, moderate inactive, slight
			21-Jun-89 10:32	3 / 15:10	9	inactive, slight
			21-Jun-89 10:38	4 / 09:30	9	normal/no significant signs
			21-Jun-89 10:43	4 / 12:55	9	excessive thirst, slight
			21-Jun-89 10:47	4 / 17:15	9	inactive, slight
			22-Jun-89 09:19	5 / 09:10	9	normal/no significant signs
			22-Jun-89 09:22	5 / 11:33	9	excessive thirst, slight
			22-Jun-89 09:24	5 / 17:15	9	normal/no significant signs
			22-Jun-89 09:27	6 / 08:00	9	inactive, slight
			22-Jun-89 09:30	6 / 11:02	9	inactive, slight increased respiration, slight
			22-Jun-89 09:35	6 / 14:13	9	inactive, moderate hunched posture, slight increased respiration, slight
			22-Jun-89 09:44	7 / 08:39	9	inactive, slight hunched posture, slight
			22-Jun-89 09:49	7 / 10:18	9	inactive, moderate disoriented, moderate uncoordinated, slight
			22-Jun-89 10:00	7 / 14:46	9	excessive thirst, severe
			22-Jun-89 10:12	8 / 07:55	9	normal/no significant signs
			22-Jun-89 10:20	8 / 10:56	9	inactive, moderate excessive thirst, moderate
			22-Jun-89 10:24	8 / 15:08	9	excessive thirst, moderate
			22-Jun-89 13:31	9 / 08:29	9	excessive thirst, moderate
			22-Jun-89 13:36	9 / 10:35	9	inactive, slight
			22-Jun-89 13:42	9 / 14:39	9	excessive thirst, severe
			22-Jun-89 13:47	10 / 08:21	9	inactive, slight
			22-Jun-89 13:52	10 / 10:24	9	excessive thirst, moderate hyperactive, slight hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
9	89F00176	M/ 2/4	22-Jun-89 13:52	10 / 10:24	9	disoriented, slight
			22-Jun-89 14:00	10 / 14:36	9	inactive, slight excessive thirst, severe
			22-Jun-89 14:06	11 / 08:39	9	normal/no significant signs
			22-Jun-89 14:11	11 / 11:37	9	excessive thirst, moderate inactive, slight hyperactive, slight
			22-Jun-89 14:16	11 / 20:18	9	normal/no significant signs
			22-Jun-89 14:19	12 / 08:27	9	normal/no significant signs
			22-Jun-89 14:27	12 / 11:09	9	disoriented, slight excessive thirst, moderate
			22-Jun-89 14:35	12 / 14:12	9	disoriented, slight
			22-Jun-89 14:50	13 / 09:13	9	hyperactive, slight
			22-Jun-89 14:56	13 / 11:06	9	inactive, slight disoriented, slight
			22-Jun-89 15:01	13 / 15:29	9	inactive, slight
			22-Jun-89 15:04	14 / 08:05	9	hunched posture, slight
			22-Jun-89 15:10	14 / 09:46	9	disoriented, moderate uncoordinated, slight
			22-Jun-89 15:17	14 / 15:00	9	disoriented, slight
			22-Jun-89 15:22	15 / 07:17	9	hunched posture, moderate
10	89F00257	M/ 2/5	26-Jun-89 07:57	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:04	1 / 09:50	9	increased respiratory depth, moderate hunched posture, moderate inactive, slight
			26-Jun-89 08:07	1 / 14:00	9	normal/no significant signs
			26-Jun-89 08:11	2 / 07:12	9	normal/no significant signs
			26-Jun-89 08:15	2 / 08:55	9	hunched posture, slight disoriented, slight
			26-Jun-89 08:20	2 / 14:00	9	disoriented, slight inactive, slight
			26-Jun-89 08:25	3 / 07:53	9	disoriented, slight
			26-Jun-89 08:33	3 / 10:05	9	inactive, slight hunched posture, slight increased respiratory depth, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
10	89F00257	M/ 2/5	26-Jun-89 09:17	3 / 14:05	9	hunched posture, slight
			26-Jun-89 09:31	4 / 07:35	9	normal/no significant signs
			26-Jun-89 09:38	4 / 11:31	9	increased respiratory depth, slight
			26-Jun-89 09:41	4 / 14:36	9	inactive, slight
			26-Jun-89 09:46	5 / 07:17	9	inactive, slight
			26-Jun-89 09:56	5 / 10:23	9	inactive, slight increased respiratory depth, slight hunched posture, slight disoriented, slight
			26-Jun-89 10:05	5 / 13:53	9	inactive, slight
			26-Jun-89 10:09	6 / 08:25	9	normal/no significant signs
			26-Jun-89 10:13	6 / 09:49	9	increased respiratory depth, slight disoriented, slight
			26-Jun-89 10:18	6 / 14:15	9	hunched posture, slight
			26-Jun-89 10:30	7 / 07:13	9	normal/no significant signs
			26-Jun-89 10:35	7 / 08:50	9	disoriented, moderate excessive thirst, slight uncoordinated, moderate lack of grooming, slight
			26-Jun-89 10:46	7 / 14:28	9	disoriented, slight
			26-Jun-89 12:55	8 / 09:05	9	normal/no significant signs
			26-Jun-89 13:00	8 / 10:05	9	disoriented, slight tore open suture site, moderate
			26-Jun-89 13:08	8 / 14:18	9	tore open suture site, moderate, left leg
			26-Jun-89 13:12	9 / 08:04	9	tore open suture site, moderate, left leg disoriented, slight
			26-Jun-89 13:20	9 / 09:43	9	tore open suture site, moderate, left leg disoriented, moderate
			26-Jun-89 13:27	9 / 14:05	9	tore open suture site, moderate, left leg excessive thirst, slight
			26-Jun-89 13:31	10 / 07:51	9	tore open suture site, moderate, left leg disoriented, slight lack of appetite, moderate
			26-Jun-89 13:38	10 / 09:00	9	tore open suture site, moderate, left leg disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
10	89F00257	M/ 2/5	26-Jun-89 13:41	10 / 14:09	9	tore open suture site, moderate, left leg excessive thirst, slight
			26-Jun-89 13:45	11 / 07:20	9	tore open suture site, moderate, left leg lack of appetite, moderate
			26-Jun-89 13:51	11 / 10:05	9	tore open suture site, moderate, left leg lack of appetite, moderate disoriented, slight excessive thirst, moderate hunched posture, slight
			26-Jun-89 13:57	11 / 14:26	9	tore open suture site, moderate, left leg disoriented, slight
			26-Jun-89 14:03	12 / 07:36	9	tore open suture site, moderate, left leg
			26-Jun-89 14:08	12 / 10:44	9	tore open suture site, severe, left leg disoriented, slight excessive thirst, slight
			26-Jun-89 14:21	12 / 14:50	9	tore open suture site, severe, left leg disoriented, slight hunched posture, slight
			26-Jun-89 14:31	13 / 07:45	9	tore open suture site, severe, left leg
			26-Jun-89 14:38	13 / 09:41	9	tore open suture site, severe, left leg disoriented, moderate hunched posture, slight excessive thirst, slight
			26-Jun-89 14:44	13 / 14:00	9	tore open suture site, severe, left leg disoriented, moderate hunched posture, slight excessive thirst, slight
			26-Jun-89 14:48	14 / 10:55	9	tore open suture site, severe, left leg
			26-Jun-89 14:52	14 / 12:40	9	tore open suture site, severe, left leg inactive, slight disoriented, slight
			26-Jun-89 14:58	14 / 16:01	9	tore open suture site, severe, left leg
			26-Jun-89 15:00	15 / 07:01	9	tore open suture site, severe, left leg
11	89F00129	M/ 3/1	07-Jun-89 08:05	1 / 10:32	9	normal/no significant signs
			07-Jun-89 13:40	1 / 11:32	9	disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
11	89F00129	M/ 3/1	07-Jun-89 13:40	1 / 11:32	9	hyperactive, moderate tremors, moderate increased respiratory depth, moderate hunched posture, moderate
			07-Jun-89 14:06	1 / 15:12	9	disoriented, slight hyperactive, slight tremors, moderate wide-legged stance, slight, both
			08-Jun-89 07:52	2 / 08:14	9	disoriented, slight hyperactive, slight tremors, slight wide-legged stance, slight, both increased respiration, slight startles, slight
			08-Jun-89 08:09	2 / 10:55	9	disoriented, moderate tremors, moderate wide-legged stance, slight, both hunched posture, slight pupils dilated, slight uncoordinated, slight
			08-Jun-89 08:40	2 / 14:47	9	wide-legged stance, slight, both startles, slight
			08-Jun-89 09:06	3 / 07:49	9	startles, slight
			08-Jun-89 09:47	3 / 10:41	9	startles, slight
			08-Jun-89 09:55	3 / 14:28	9	excessive thirst, slight
			08-Jun-89 10:05	4 / 07:29	9	normal/no significant signs
			08-Jun-89 10:11	4 / 11:00	9	increased respiration, slight
			08-Jun-89 10:19	4 / 14:25	9	normal/no significant signs
			08-Jun-89 10:24	5 / 08:09	9	excessive thirst, moderate
			08-Jun-89 10:28	5 / 13:23	9	excessive thirst, moderate
			08-Jun-89 10:33	5 / 16:42	9	normal/no significant signs
			08-Jun-89 10:37	6 / 07:55	9	pupils dilated, moderate inactive, slight
			08-Jun-89 10:41	6 / 11:03	9	pupils dilated, moderate
			08-Jun-89 10:45	6 / 15:42	9	pupils dilated, moderate

Saucha et al., 1993

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
11	89F00129	M/ 3/1	08-Jun-89 10:45	6 / 15:42	9	inactive, slight
			08-Jun-89 13:44	7 / 07:36	9	normal/no significant signs
			08-Jun-89 13:48	7 / 10:50	9	disoriented, slight hyperactive, slight tremors, moderate excessive thirst, slight
			08-Jun-89 13:59	7 / 15:21	9	disoriented, slight pupils dilated, slight wide-legged stance, moderate
			09-Jun-89 07:43	8 / 08:32	9	wide-legged stance, slight
			09-Jun-89 07:51	8 / 11:21	9	disoriented, moderate pupils dilated, moderate excessive thirst, moderate uncoordinated, moderate
			09-Jun-89 08:06	8 / 14:24	9	disoriented, moderate excessive thirst, severe uncoordinated, moderate wide-legged stance, moderate tremors, moderate
			09-Jun-89 08:16	9 / 07:59	9	disoriented, slight pupils dilated, slight wide-legged stance, slight uncoordinated, slight lack of grooming, slight
			09-Jun-89 08:27	9 / 10:15	9	disoriented, moderate wide-legged stance, moderate uncoordinated, moderate excessive thirst, moderate tremors, moderate
			09-Jun-89 08:38	9 / 14:35	9	normal/no significant signs
			09-Jun-89 08:46	10 / 07:00	9	pupils dilated, moderate
			09-Jun-89 09:03	10 / 09:18	9	pupils dilated, moderate disoriented, moderate uncoordinated, moderate tremors, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
11	89F00129	M/ 3/1	09-Jun-89 09:03	10 / 09:18	9	exophthalmus, moderate
			09-Jun-89 09:12	10 / 14:40	9	inactive, slight
			09-Jun-89 09:31	11 / 07:03	9	normal/no significant signs
			09-Jun-89 09:46	11 / 09:33	9	disoriented, moderate pupils dilated, moderate wide-legged stance, slight tremors, slight
			09-Jun-89 10:03	11 / 14:45	9	normal/no significant signs
			09-Jun-89 13:37	12 / 09:23	9	normal/no significant signs
			09-Jun-89 13:43	12 / 11:41	9	disoriented, moderate wide-legged stance, slight uncoordinated, moderate inactive, slight
			09-Jun-89 13:48	12 / 17:00	9	inactive, slight
			09-Jun-89 13:52	13 / 08:55	9	inactive, slight
			09-Jun-89 13:57	13 / 10:33	9	disoriented, moderate excessive thirst, severe tremors, moderate
			09-Jun-89 14:04	13 / 17:00	9	inactive, slight
			09-Jun-89 14:08	14 / 07:45	9	normal/no significant signs
			09-Jun-89 14:16	14 / 10:00	9	disoriented, moderate hunched posture, slight uncoordinated, moderate
			09-Jun-89 14:22	14 / 14:16	9	disoriented, moderate uncoordinated, moderate
			09-Jun-89 14:29	15 / 07:20	9	disoriented, moderate uncoordinated, moderate hunched posture, slight
12	89F00154	M/ 3/3	19-Jun-89 08:54	1 / 08:46	9	normal/no significant signs
			19-Jun-89 09:06	1 / 10:47	9	congested, severe inactive, moderate
			19-Jun-89 09:20	1 / 14:48	9	inactive, moderate pupils dilated, moderate
			19-Jun-89 10:11	2 / 08:25	9	inactive, slight pupils dilated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
12	89F00154	M/ 3/3	19-Jun-89 10:11	2 / 08:25	9	hunched posture, slight
			19-Jun-89 13:16	2 / 10:55	9	pupils dilated, moderate hunched posture, slight excessive thirst, moderate
			19-Jun-89 13:23	2 / 14:49	9	excessive thirst, moderate
			19-Jun-89 13:29	3 / 07:21	9	excessive thirst, slight pupils dilated, moderate tremors, moderate uncoordinated, slight
			19-Jun-89 13:34	3 / 10:17	9	pupils dilated, slight inactive, slight
			19-Jun-89 13:43	3 / 14:40	9	pupils dilated, slight inactive, slight excessive thirst, moderate
			19-Jun-89 13:48	4 / 07:27	9	pupils dilated, slight
			19-Jun-89 13:58	4 / 10:05	9	hunched posture, slight excessive thirst, slight tremors, moderate uncoordinated, slight
			19-Jun-89 14:06	4 / 14:58	9	inactive, slight
			19-Jun-89 14:11	5 / 09:25	9	inactive, slight pupils dilated, slight
			19-Jun-89 14:16	5 / 12:17	9	inactive, slight pupils dilated, slight hunched posture, slight
			19-Jun-89 14:21	5 / 17:10	9	inactive, slight pupils dilated, slight hunched posture, slight
			19-Jun-89 14:26	6 / 09:05	9	inactive, slight
			19-Jun-89 14:29	6 / 11:00	9	uncoordinated, slight pupils dilated, slight excessive thirst, slight
			19-Jun-89 14:32	6 / 17:10	9	inactive, slight
			19-Jun-89 14:34	7 / 07:55	9	inactive, slight
			19-Jun-89 14:37	7 / 10:29	9	inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
12	89F00154	M/ 3/3	19-Jun-89 14:37	7 / 10:29	9	hunched posture, slight excessive thirst, slight
			19-Jun-89 14:43	7 / 14:09	9	uncoordinated, moderate disoriented, moderate wide-legged stance, moderate tremors, slight
			19-Jun-89 15:12	8 / 08:15	9	uncoordinated, slight disoriented, slight wide-legged stance, moderate increased respiratory depth, moderate
			19-Jun-89 15:21	8 / 10:42	9	uncoordinated, moderate disoriented, moderate wide-legged stance, slight inactive, slight hunched posture, slight
			19-Jun-89 15:32	8 / 14:35	9	inactive, slight hunched posture, slight excessive thirst, moderate
			20-Jun-89 07:51	9 / 07:24	9	inactive, moderate uncoordinated, slight disoriented, slight wide-legged stance, slight
			20-Jun-89 08:03	9 / 09:50	9	inactive, slight uncoordinated, moderate disoriented, moderate
			20-Jun-89 08:09	9 / 14:56	9	inactive, slight hunched posture, slight
			20-Jun-89 13:16	10 / [illegible]3	9	inactive, slight hunched posture, slight
			20-Jun-89 13:25	10 [illegible]9:45	9	inactive, slight hunched posture, slight disoriented, slight uncoordinated, slight
			20-Jun-89 13:34	10 / 14:23	9	inactive, slight
			20-Jun-89 13:40	11 / 08:31	9	inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
12	89F00154	M/ 3/3	20-Jun-89 13:40	11 / 08:31	9	hunched posture, moderate
			20-Jun-89 13:45	11 / 09:55	9	inactive, moderate uncoordinated, moderate disoriented, moderate wide-legged stance, moderate
			20-Jun-89 13:52	11 / 14:23	9	inactive, severe uncoordinated, moderate disoriented, severe
			20-Jun-89 13:57	12 / 08:26	9	dead
13	89F00147	M/ 3/3	19-Jun-89 08:55	1 / 08:33	9	red eyes, slight inactive, slight hunched posture, slight
			19-Jun-89 09:08	1 / 10:53	9	inactive, moderate hunched posture, severe startles, moderate disoriented, moderate
			19-Jun-89 09:22	1 / 14:44	9	inactive, moderate hunched posture, moderate increased respiratory depth, slight
			19-Jun-89 10:13	2 / 08:18	9	inactive, slight hunched posture, moderate increased respiratory depth, slight startles, slight disoriented, slight uncoordinated, slight
			19-Jun-89 13:17	2 / 10:45	9	inactive, slight hunched posture, slight disoriented, slight lameness, slight, right leg
			19-Jun-89 13:23	2 / 14:43	9	normal/no significant signs
			19-Jun-89 13:30	3 / 07:15	9	lameness, slight, right leg
			19-Jun-89 13:34	3 / 10:00	9	inactive, moderate hunched posture, moderate
			19-Jun-89 13:43	3 / 14:40	9	inactive, slight
			19-Jun-89 13:49	4 / 07:24	9	lameness, slight, right leg

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	#	Clinical signs / Comments
13	89F00147	M/ 3/3	19-Jun-89 13:59	4 / 09:55	9	lameness, moderate, right leg inactive, slight hunched posture, moderate disoriented, slight tremors, slight excessive thirst, slight
			19-Jun-89 14:06	4 / 14:53	9	inactive, slight hunched posture, slight
			19-Jun-89 14:11	5 / 09:25	9	lack of grooming, slight
			19-Jun-89 14:17	5 / 12:07	9	lack of grooming, slight hunched posture, slight inactive, slight
			19-Jun-89 14:22	5 / 17:10	9	lack of grooming, slight
			19-Jun-89 14:26	6 / 09:05	9	lack of grooming, slight inactive, slight
			19-Jun-89 14:29	6 / 10:50	9	lack of grooming, slight inactive, slight hunched posture, slight
			19-Jun-89 14:32	6 / 17:10	9	lack of grooming, slight inactive, slight hunched posture, slight
			19-Jun-89 14:34	7 / 07:55	9	lack of grooming, slight inactive, slight
			19-Jun-89 14:37	7 / 10:18	9	inactive, slight
			19-Jun-89 14:45	7 / 14:02	9	inactive, moderate hunched posture, moderate red swollen testicles, moderate lack of grooming, moderate
			19-Jun-89 15:13	8 / 08:06	9	hunched posture, moderate red swollen testicles, moderate wide-legged stance, moderate
			19-Jun-89 15:21	8 / 10:29	9	hunched posture, moderate inactive, moderate
			19-Jun-89 15:32	8 / 14:29	9	hunched posture, slight inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
13	89F00147	M/ 3/3	20-Jun-89 07:52	9 / 07:15	9	hunched posture, slight inactive, moderate red swollen testicles, slight startles, moderate
			20-Jun-89 08:04	9 / 09:30	9	inactive, moderute startles, moderate wide-legged stance, slight tremors, moderate excessive thirst, moderate
			20-Jun-89 08:09	9 / 14:49	9	excessive thirst, severe inactive, slight
			20-Jun-89 13:16	10 / 08:08	9	inactive, slight
			20-Jun-89 13:26	10 / 09:34	9	inactive, moderate hunched posture, moderate red swollen testicles, slight startles, moderate
			20-Jun-89 13:34	10 / 14:19	9	excessive thirst, moderate
			20-Jun-89 13:40	11 / 08:24	9	normal/no significant signs
			20-Jun-89 13:45	11 / 09:49	9	inactive, moderate hunched posture, moderate excessive thirst, moderate tremors, moderate
			20-Jun-89 13:52	11 / 14:18	9	excessive thirst, severe
			20-Jun-89 13:58	12 / 08:22	9	hunched posture, slight inactive, slight
			20-Jun-89 14:04	12 / 10:30	9	hunched posture, slight tremors, moderate excessive thirst, slight
			20-Jun-89 14:08	12 / 20:04	9	normal/no significant signs
			20-Jun-89 14:11	13 / 08:09	9	normal/no significant signs
			20-Jun-89 14:17	13 / 10:05	9	hunched posture, slight inactive, slight excessive thirst, slight
			20-Jun-89 14:23	13 / 14:01	9	hunched posture, slight inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
13	89F00147	M/ 3/3	20-Jun-89 14:30	14 / 08:53	9	hunched posture, slight inactive, moderate
			20-Jun-89 14:38	14 / 10:23	9	tremors, moderate hunched posture, moderate increased respiration, slight
			20-Jun-89 15:01	14 / 15:13	9	normal/no significant signs
			20-Jun-89 15:08	15 / 07:18	9	normal/no significant signs
14	89F00172	M/ 3/4	21-Jun-89 09:02	1 / 08:36	9	normal/no significant signs
			21-Jun-89 09:06	1 / 11:29	9	excessive thirst, severe
			21-Jun-89 09:22	1 / 15:01	9	excessive thirst, severe
			21-Jun-89 09:27	2 / 07:41	9	uncoordinated, slight
			21-Jun-89 09:50	2 / 10:46	9	uncoordinated, moderate disoriented, moderate lack of grooming, moderate
			21-Jun-89 09:59	2 / 14:40	9	excessive thirst, severe
			21-Jun-89 10:19	3 / 07:46	9	excessive thirst, severe
			21-Jun-89 10:27	3 / 10:33	9	excessive thirst, slight lack of grooming, moderate
			21-Jun-89 10:33	3 / 15:08	9	normal/no significant signs
			21-Jun-89 10:38	4 / 09:30	9	normal/no significant signs
			21-Jun-89 10:43	4 / 12:52	9	inactive, slight
			21-Jun-89 10:48	4 / 17:15	9	normal/no significant signs
			22-Jun-89 09:19	5 / 09:10	9	inactive, slight
			22-Jun-89 09:22	5 / 11:28	9	inactive, slight
			22-Jun-89 09:25	5 / 17:15	9	normal/no significant signs
			22-Jun-89 09:27	6 / 08:00	9	inactive, slight
			22-Jun-89 09:31	6 / 10:54	9	tremors, moderate uncoordinated, moderate disoriented, moderate
			22-Jun-89 09:36	6 / 14:36	9	tremors, slight uncoordinated, moderate disoriented, moderate increased respiration, slight
			22-Jun-89 09:44	7 / 08:36	9	tremors, moderate hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
14	89F00172	M/ 3/4	22-Jun-89 09:44	7 / 08:36	9	wide-legged stance, slight
			22-Jun-89 09:51	7 / 10:09	9	tremors, moderate hunched posture, moderate wide-legged stance, slight excessive thirst, slight uncoordinated, moderate disoriented, moderate increased respiration, slight
			22-Jun-89 10:01	7 / 14:44	9	wide-legged stance, slight excessive thirst, moderate
			22-Jun-89 10:12	8 / 07:45	9	wide-legged stance, slight
			22-Jun-89 10:21	8 / 10:47	9	excessive thirst, slight increased respiration, moderate
			22-Jun-89 10:24	8 / 15:06	9	excessive thirst, severe increased respiration, slight
			22-Jun-89 13:32	9 / 08:27	9	disoriented, slight
			22-Jun-89 13:36	9 / 10:20	9	disoriented, slight startles, moderate tremors, slight
			22-Jun-89 13:42	9 / 14:36	9	excessive thirst, severe
			22-Jun-89 13:47	10 / 08:19	9	normal/no significant signs
			22-Jun-89 13:52	10 / 10:18	9	increased respiration, moderate oisoriented, slight hunched posture, slight inactive, slight
			22-Jun-89 14:00	10 / 14:34	9	normal/no significant signs
			22-Jun-89 14:06	11 / 08:36	9	hunched posture, slight
			22-Jun-89 14:12	11 / 11:23	9	hunched posture, slight disoriented, slight startles, slight
			22-Jun-89 14:16	11 / 20:16	9	disoriented, slight
			22-Jun-89 14:20	12 / 08:24	9	normal/no significant signs
			22-Jun-89 14:29	12 / 10:54	9	excessive thirst, moderate disoriented, slight hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
14	89F00172	M/ 3/4	22-Jun-89 14:35	12 / 14:10	9	disoriented, slight
			22-Jun-89 14:50	13 / 09:10	9	normal/no significant signs
			22-Jun-89 14:56	13 / 10:58	9	disoriented, slight startles, slight hunched posture, moderate
			22-Jun-89 15:01	13 / 15:26	9	tremors, slight
			22-Jun-89 15:05	14 / 08:02	9	normal/no significant signs
			22-Jun-89 15:10	14 / 09:42	9	disoriented, moderate uncoordinated, slight hunched posture, moderate
			22-Jun-89 15:17	14 / 14:57	9	disoriented, slight hunched posture, moderate inactive, slight
			22-Jun-89 15:23	15 / 07:14	9	hunched posture, moderate
15	89F00173	M/ 3/4	21-Jun-89 09:02	1 / 08:36	9	hunched posture, moderate inactive, slight red eyes, moderate
			21-Jun-89 09:06	1 / 11:35	9	hunched posture, moderate inactive, moderate red eyes, moderate increased respiration, slight
			21-Jun-89 09:23	1 / 15:02	9	increased respiration, slight excessive thirst, moderate
			21-Jun-89 09:28	2 / 07:42	9	hunched posture, slight inactive, moderate red eyes, moderate increased respiration, moderate excessive thirst, slight
			21-Jun-89 09:52	2 / 10:47	9	hunched posture, moderate inactive, moderate edema ventral, severe
			21-Jun-89 10:00	2 / 14:40	9	normal/no significant signs
			21-Jun-89 10:22	3 / 07:46	9	hunched posture, moderate inactive, moderate increased respiration, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00173	M/ 3/4	21-Jun-89 10:22	3 / 07:46	9	excessive thirst, severe uncoordinated, moderate edema ventral, severe
			21-Jun-89 10:28	3 / 10:34	9	hunched posture, severe inactive, moderate increased respiration, moderate edema ventral, severe tremors, severe
			21-Jun-89 10:33	3 / 15:08	9	hunched posture, moderate inactive, slight edema ventral, severe
			21-Jun-89 10:39	4 / 09:30	9	hunched posture, slight inactive, slight edema ventral, severe lack of grooming, slight
			21-Jun-89 10:43	4 / 12:50	9	hunched posture, slight inactive, slight edema ventral, severe lack of grooming, slight
			21-Jun-89 10:48	4 / 17:15	9	hunched posture, slight inactive, slight lack of grooming, slight
			22-Jun-89 09:20	5 / 09:10	9	hunched posture, slight inactive, slight lack of grooming, slight
			22-Jun-89 09:22	5 / 11:33	9	hunched posture, slight inactive, slight lack of grooming, moderate
			22-Jun-89 09:25	5 / 17:15	9	hunched posture, slight inactive, slight lack of grooming, moderate
			22-Jun-89 09:27	6 / 08:00	9	hunched posture, slight inactive, slight lack of grooming, slight
			22-Jun-89 09:31	6 / 10:55	9	hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00173	M/ 3/4	22-Jun-89 09:31	6 / 10:55	9	inactive, slight lack of grooming, slight
			22-Jun-89 09:38	6 / 14:38	9	hunched posture, moderate inactive, moderate lack of grooming, severe lack of appetite mouth infected-moderate
			22-Jun-89 09:45	7 / 08:38	9	hunched posture, moderate inactive, moderate lack of grooming, severe lack of appetite
			22-Jun-89 09:51	7 / 10:10	9	hunched posture, moderate inactive, moderate lack of grooming, severe lack of appetite tremors, slight
			22-Jun-89 10:01	7 / 14:45	9	excessive thirst, moderate
			22-Jun-89 10:15	8 / 07:53	9	depressed, moderate inactive, moderate swelling mouth, severe hunched posture, moderate lack of grooming, moderate lack of appetite, severe
			22-Jun-89 10:21	8 / 10:50	9	depressed, moderate inactive, moderate swelling mouth, severe hunched posture, moderate lack of grooming, moderate lack of appetite, severe increased respiration, slight
			22-Jun-89 10:25	8 / 15:07	9	depressed, moderate inactive, moderate swelling mouth, severe hunched posture, severe lack of grooming, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00173	M/ 3/4	22-Jun-89 10:25	8 / 15:07	9	lack of appetite, severe
			22-Jun-89 13:32	9 / 08:28	9	depressed, moderate inactive, moderate swelling mouth, severe hunched posture, severe lack of grooming, severe lack of appetite, severe
			22-Jun-89 13:37	9 / 10:35	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, severe lack of grooming, severe lack of appetite, severe
			22-Jun-89 13:43	9 / 14:37	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of grooming, severe lack of appetite, severe increased respiratory depth, moderate
			22-Jun-89 13:47	10 / 08:19	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of grooming, severe lack of appetite, severe increased respiratory depth, moderate
			22-Jun-89 13:54	10 / 10:21	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of grooming, severe lack of appetite, severe increased respiratory depth, moderate tremors, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89FG0173	M/ 3/4	22-Jun-89 13:54	10 / 10:21	9	weight loss
			22-Jun-89 14:01	10 / 14:35	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of grooming, severe lack of appetite, severe increased respiratory depth, slight weight loss, severe
			22-Jun-89 14:07	11 / 08:37	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate increased respiratory depth, moderate weight loss, severe increased respiration, slight
			22-Jun-89 14:12	11 / 11:29	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe increased respiration, moderate
			22-Jun-89 14:16	11 / 20:17	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe increased respiration, moderate tremors, slight
			22-Jun-89 14:22	12 / 08:24	9	depressed, severe inactive, severe swelling mouth, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 43

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00173	M/ 3/4	22-Jun-89 14:22	12 / 08:24	9	hunched posture, moderate lack of appetite, severe weight loss, severe increased respiration, moderate increased respiratory depth, moderate pulled catheter
			22-Jun-89 14:30	12 / 11:05	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, severe weight loss, severe increased respiration, moderate increased respiratory depth, moderate tremors, slight
			22-Jun-89 14:36	12 / 14:11	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe increased respiration, slight increased respiratory depth, slight
			22-Jun-89 14:50	13 / 09:10	9	depressed, moderate inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe increased respiration, slight increased respiratory depth, slight
			22-Jun-89 14:57	13 / 11:00	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00173	M/ 3/4	22-Jun-89 14:57	13 / 11:00	9	lack of appetite, moderate weight loss, severe increased respiratory depth, moderate
			22-Jun-89 15:01	13 / 15:27	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe increased respiratory depth, moderate
			22-Jun-89 15:05	14 / 08:03	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe increased respiratory depth, moderate
			22-Jun-89 15:11	14 / 10:15	9	depressed, severe inactive, severe swelling mouth, severe hunched posture, moderate lack of appetite, moderate weight loss, severe
			22-Jun-89 15:18	14 / 14:58	9	depressed, moderate inactive, slight swelling mouth, severe hunched posture, moderate lack of appetite, slight weight loss, severe
			22-Jun-89 15:24	15 / 07:15	9	depressed, severe swelling mouth, severe hunched posture, severe lack of appetite, slight weight loss, severe increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00173	M/ 3/4	22-Jun-89 15:24	15 / 07:15	9	not using leg, severe, left front leg
16	89F00127	M/ 4/1	07-Jun-89 08:05	1 / 10:10	9	normal/no significant signs
			07-Jun-89 13:41	1 / 11:09	9	excessive thirst, slight inactive, moderate hunched posture, slight increased respiratory depth, slight
			07-Jun-89 14:07	1 / 15:09	9	red eyes, slight disoriented, slight
			08-Jun-89 07:53	2 / 08:08	9	red eyes, slight disoriented, slight wide-legged stance, slight hyperactive, slight
			08-Jun-89 08:12	2 / 10:36	9	red eyes, moderate disoriented, moderate wide-legged stance, moderate excessive thirst, moderate hunched posture, moderate increased respiration, slight uncoordinated, moderate increased respiratory depth, moderate
			08-Jun-89 08:42	2 / 14:45	9	red eyes, slight hunched posture, moderate increased respiratory depth, moderate inactive, moderate
			08-Jun-89 09:07	3 / 07:46	9	red eyes, slight disoriented, slight hyperactive, slight uncoordinated, slight
			08-Jun-89 09:48	3 / 10:37	9	red eyes, slight disoriented, slight
			08-Jun-89 09:56	3 / 14:25	9	excessive thirst, slight
			08-Jun-89 10:05	4 / 07:26	9	excessive thirst, moderate red eyes, slight
			08-Jun-89 10:12	4 / 10:55	9	inactive, slight increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
16	89F00127	M/ 4/1	08-Jun-89 10:12	4 / 10:55	9	disoriented, slight
			08-Jun-89 10:20	4 / 14:22	9	inactive, slight
			08-Jun-89 10:24	5 / 08:07	9	normal/no significant signs
			08-Jun-89 10:28	5 / 13:00	9	excessive thirst, moderate increased respiration, slight
			08-Jun-89 10:35	5 / 16:41	9	excessive thirst, moderate
			08-Jun-89 10:38	6 / 07:53	9	normal/no significant signs
			08-Jun-89 10:41	6 / 10:43	9	normal/no significant signs
			08-Jun-89 10:45	6 / 15:41	9	normal/no significant signs
			08-Jun-89 13:44	7 / 07:33	9	normal/no significant signs
			08-Jun-89 13:48	7 / 10:40	9	disoriented, slight hunched posture, slight
			08-Jun-89 13:59	7 / 15:18	9	disoriented, slight hunched posture, moderate startles, moderate
			09-Jun-89 07:44	8 / 08:29	9	hunched posture, slight inactive, slight
			09-Jun-89 07:52	8 / 11:17	9	hunched posture, moderate inactive, moderate disoriented, moderate red eyes, slight
			09-Jun-89 08:07	8 / 14:21	9	inactive, slight disoriented, slight tremors, slight uncoordinated, slight
			09-Jun-89 08:19	9 / 07:57	9	inactive, slight hunched posture, slight
			09-Jun-89 08:29	9 / 10:10	9	hunched posture, slight disoriented, moderate tremors, moderate uncoordinated, slight
			09-Jun-89 08:38	9 / 14:34	9	hunched posture, slight inactive, slight
			09-Jun-89 08:46	10 / 06:57	9	tremors, moderate
			09-Jun-89 09:03	10 / 09:12	9	hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
16	89F00127	M/ 4/1	09-Jun-89 09:03	10 / 09:12	9	disoriented, moderate inactive, moderate uncoordinated, moderate
			09-Jun-89 09:13	10 / 14:40	9	inactive, slight
			09-Jun-89 09:31	11 / 07:00	9	tremors, slight
			09-Jun-89 09:48	11 / 09:23	9	tremors, slight uncoordinated, slight
			09-Jun-89 10:04	11 / 14:43	9	inactive, slight
			09-Jun-89 13:38	12 / 09:19	9	hunched posture, slight uncoordinated, slight
			09-Jun-89 13:43	12 / 11:25	9	hunched posture, moderate uncoordinated, moderate inactive, moderate disoriented, moderate
			09-Jun-89 13:48	12 / 17:00	9	inactive, slight
			09-Jun-89 13:52	13 / 08:55	9	inactive, slight
			09-Jun-89 13:58	13 / 10:30	9	disoriented, slight uncoordinated, moderate nervous chewing, slight
			09-Jun-89 14:04	13 / 17:[illegible]	9	inactive, slight lack of grooming, slight
			09-Jun-89 14:09	14 / 07:[illegible]	9	normal/no significant signs
			09-Jun-89 14:16	14 / 09:5[illegible]	9	wide-legged stance, slight inactive, slight
			09-Jun-89 14:23	14 / 14:14	9	hunched posture, slight disoriented, moderate
			09-Jun-89 14:29	15 / 07:18	9	disoriented, slight uncoordinated, slight wide-legged stance, slight
17	89F00131	M/ 4/2	09-Jun-89 14:53	1 / 14:45	9	normal/no significant signs
			09-Jun-89 15:04	1 / 15:45	9	disoriented, slight red eyes, slight
			09-Jun-89 15:10	1 / 17:17	9	disoriented, slight
			13-Jun-89 13:22	2 / 07:51	9	disoriented, slight red eyes, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 48

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
17	89F00131	M/ 4/2	13-Jun-89 13:22	2 / 07:51	9	uncoordinated, slight
			13-Jun-89 13:29	2 / 12:17	9	disoriented, moderate red eyes, slight uncoordinated, slight hunched posture, slight
			13-Jun-89 13:37	2 / 14:29	9	excessive thirst, slight
			13-Jun-89 13:44	3 / 07:31	9	disoriented, slight red eyes, slight tremors, slight
			13-Jun-89 13:49	3 / 14:02	9	normal/no significant signs
			13-Jun-89 15:29	4 / 08:11	9	normal/no significant signs
			13-Jun-89 15:32	4 / 13:13	9	excessive thirst, slight
			13-Jun-89 15:34	4 / 16:45	9	excessive thirst, severe
			13-Jun-89 15:36	5 / 07:55	9	inactive, slight
			13-Jun-89 15:38	5 / 10:55	9	normal/no significant signs
			13-Jun-89 15:40	5 / 15:44	9	excessive thirst, slight
			13-Jun-89 15:43	6 / 07:37	9	inactive, slight
			13-Jun-89 15:46	6 / 11:04	9	normal/no significant signs
			16-Jun-89 14:07	7 / 07:56	9	uncoordinated, slight hunched posture, moderate inactive, moderate
			16-Jun-89 14:18	7 / 10:03	9	uncoordinated, slight inactive, slight disoriented, slight excessive thirst, moderate
			16-Jun-89 14:26	7 / 14:26	9	uncoordinated, slight inactive, slight disoriented, slight excessive thirst, moderate hunched posture, slight tremors, slight
			16-Jun-89 14:39	8 / 08:04	9	hunched posture, slight tremors, slight
			16-Jun-89 14:46	8 / 10:26	9	hunched posture, slight tremors, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
17	89F00131	M/ 4/2	16-Jun-89 14:46	8 / 10:26	9	disoriented, moderate uncoordinated, slight
			16-Jun-89 14:55	8 / 14:39	9	excessive thirst, severe
			16-Jun-89 15:21	9 / 07:03	9	hunched posture, slight tremors, slight
			16-Jun-89 15:25	9 / 09:26	9	excessive thirst, moderate tremors, moderate disoriented, moderate uncoordinated, moderate startles, moderate
			16-Jun-89 15:29	9 / 14:40	9	excessive thirst, moderate inactive, slight
			16-Jun-89 15:33	10 / 07:09	9	hunched posture, slight tremors, slight
			16-Jun-89 15:39	10 / 09:32	9	tremors, moderate disoriented, slight excessive thirst, slight startles, slight inactive, slight
			16-Jun-89 15:44	10 / 14:46	9	inactive, slight
			16-Jun-89 15:47	11 / 09:20	9	excessive thirst, slight
			16-Jun-89 15:50	11 / 11:48	9	hunched posture, moderate inactive, slight disoriented, slight
			16-Jun-89 15:53	11 / 17:05	9	inactive, slight
			19-Jun-89 07:31	12 / 09:00	9	inactive, slight
			19-Jun-89 07:36	12 / 10:37	9	disoriented, moderate tremors, moderate hunched posture, slight uncoordinated, moderate excessive thirst, moderate
			19-Jun-89 07:41	12 / 17:05	9	hunched posture, slight
			19-Jun-89 07:44	13 / 07:50	9	inactive, slight
			19-Jun-89 07:48	13 / 10:02	9	inactive, slight hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
17	89F00131	M/ 4/2	19-Jun-89 07:48	13 / 10:02	9	disoriented, slight uncoordinated, slight
			19-Jun-89 07:57	13 / 14:20	9	hunched posture, slight disoriented, slight uncoordinated, slight
			19-Jun-89 08:05	14 / 07:47	9	disoriented, slight
			19-Jun-89 08:20	14 / 09:22	9	disoriented, moderate tremors, moderate hunched posture, slight excessive thirst, slight wide-legged stance, slight uncoordinated, moderate
			19-Jun-89 08:33	14 / 14:21	9	inactive, slight
			19-Jun-89 08:41	15 / 07:05	9	disoriented, slight hunched posture, slight
18	89F00157	M/ 4/3	19-Jun-89 08:55	1 / 08:49	9	normal/no significant signs
			19-Jun-89 09:09	1 / 10:55	9	disoriented, slight startles, slight increased respiration, slight hunched posture, slight
			19-Jun-89 09:23	1 / 14:21	9	increased respiration, slight hunched posture, slight
			19-Jun-89 10:13	2 / 10:02	9	normal/no significant signs
			19-Jun-89 13:18	2 / 11:05	9	increased respiration, slight hunched posture, slight
			19-Jun-89 13:23	2 / 14:52	9	normal/no significant signs
			19-Jun-89 13:30	3 / 07:26	9	disoriented, moderate hunched posture, slight uncoordinated, moderate excessive thirst, moderate
			19-Jun-89 13:35	3 / 10:23	9	hunched posture, slight increased respiration, slight
			19-Jun-89 13:43	3 / 14:40	9	inactive, slight
			19-Jun-89 13:49	4 / 07:30	9	disoriented, moderate uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
18	89F00157	M/ 4/3	19-Jun-89 14:00	4 / 10:50	9	disoriented, moderate uncoordinated, moderate
			19-Jun-89 14:07	4 / 15:00	9	inactive, slight
			19-Jun-89 14:11	5 / 09:25	9	normal/no significant signs
			19-Jun-89 14:17	5 / 12:27	9	disoriented, slight uncoordinated, slight
			19-Jun-89 14:22	5 / 17:10	9	normal/no significant signs
			19-Jun-89 14:26	6 / 09:05	9	inactive, slight
			19-Jun-89 14:29	6 / 11:05	9	inactive, slight hunched posture, slight
			19-Jun-89 14:32	6 / 17:10	9	normal/no significant signs
			19-Jun-89 14:34	7 / 07:55	9	normal/no significant signs
			19-Jun-89 14:38	7 / 10:40	9	normal/no significant signs
			19-Jun-89 14:46	7 / 14:13	9	disoriented, slight tremors, slight uncoordinated, slight
			19-Jun-89 15:14	8 / 08:19	9	disoriented, slight tremors, slight uncoordinated, slight inactive, slight hunched posture, slight
			19-Jun-89 15:24	8 / 11:03	9	disoriented, moderate tremors, moderate hunched posture, moderate lameness, moderate, left hind leg
			19-Jun-89 15:33	8 / 14:38	9	disoriented, slight tremors, moderate
			20-Jun-89 07:53	9 / 07:29	9	disoriented, moderate tremors, moderate uncoordinated, moderate
			20-Jun-89 08:04	9 / 10:02	9	normal/no significant signs
			20-Jun-89 08:09	9 / 14:59	9	normal/no significant signs
			20-Jun-89 13:17	10 / 08:16	9	lameness, severe, left hind leg
			20-Jun-89 13:27	10 / 09:51	9	lameness, severe, left hind leg inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
18	89F00157	M/ 4/3	20-Jun-89 13:27	10 / 09:51	9	hunched posture, moderate
			20-Jun-89 13:35	10 / 14:26	9	lameness, severe, left hind leg hunched posture, slight
			20-Jun-89 13:40	11 / 08:24	9	lameness, severe, left hind leg inactive, slight
			20-Jun-89 13:46	11 / 10:00	9	lameness, severe, left hind leg inactive, slight hunched posture, moderate disoriented, slight increased respiration, slight
			20-Jun-89 13:53	11 / 14:26	9	lameness, severe, left hind leg inactive, slight
			20-Jun-89 13:58	12 / 08:27	9	lameness, severe, left hind leg inactive, slight
			20-Jun-89 14:04	12 / 11:03	9	lameness, severe, left hind leg inactive, slight hunched posture, slight increased respiration, slight
			20-Jun-89 14:09	12 / 20:09	9	lameness, severe, left hind leg
			20-Jun-89 14:12	13 / 08:14	9	lameness, severe, left hind leg inactive, slight hunched posture, slight lack of appetite, moderate
			20-Jun-89 14:19	13 / 10:27	9	disoriented, moderate inactive, moderate hunched posture, severe lameness, moderate, left hind leg
			20-Jun-89 14:24	13 / 14:05	9	disoriented, moderate inactive, slight hunched posture, moderate lameness, moderate, left hind leg
			20-Jun-89 14:31	14 / 09:00	9	inactive, slight hunched posture, slight lameness, severe, left hind leg
			20-Jun-89 14:39	14 / 10:30	9	inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
18	89F00157	M/ 4/3	20-Jun-89 14:39	14 / 10:30	9	pupils dilated, slight hunched posture, slight increased respiration, slight
			20-Jun-89 15:04	14 / 15:19	9	not using leg, severe
			20-Jun-89 15:09	15 / 07:54	9	not using leg, severe
19	89F00169	M/ 4/4	21-Jun-89 08:57	1 / 08:34	9	normal/no significant signs
			21-Jun-89 09:07	1 / 11:28	9	hunched posture, slight
			21-Jun-89 09:23	1 / 14:59	9	hunched posture, slight
			21-Jun-89 09:29	2 / 07:38	9	hunched posture, slight
			21-Jun-89 09:53	2 / 10:41	9	hunched posture, moderate inactive, slight disoriented, moderate uncoordinated, moderate
			21-Jun-89 10:02	2 / 14:40	9	inactive, slight
			21-Jun-89 10:22	3 / 07:45	9	inactive, slight
			21-Jun-89 10:28	3 / 10:30	9	inactive, moderate hunched posture, moderate disoriented, moderate uncoordinated, moderate
			21-Jun-89 10:34	3 / 15:06	9	inactive, slight
			21-Jun-89 10:39	4 / 09:30	9	inactive, slight
			21-Jun-89 10:44	4 / 12:45	9	inactive, slight hunched posture, slight disoriented, slight uncoordinated, slight
			21-Jun-89 10:48	4 / 17:15	9	inactive, slight
			22-Jun-89 09:20	5 / 09:10	9	inactive, slight
			22-Jun-89 09:23	5 / 11:23	9	inactive, slight hunched posture, slight
			22-Jun-89 09:25	5 / 17:15	9	inactive, slight hunched posture, slight
			22-Jun-89 09:28	6 / 08:00	9	inactive, slight
			22-Jun-89 09:32	6 / 10:47	9	inactive, slight disoriented, moderate uncoordinated, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 82010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
19	89F00169	M/ 4/4	22-Jun-89 09:38	6 / 14:31	9	disoriented, moderate uncoordinated, moderate
			22-Jun-89 09:45	7 / 08:34	9	disoriented, moderate uncoordinated, moderate
			22-Jun-89 09:52	7 / 10:05	9	disoriented, severe uncoordinated, severe inactive, moderate tremors, severe wide-legged stance, moderate
			22-Jun-89 10:03	7 / 14:43	9	disoriented, moderate uncoordinated, moderate tremors, moderate
			22-Jun-89 10:15	8 / 07:41	9	disoriented, moderate uncoordinated, moderate tremors, moderate
			22-Jun-89 10:21	8 / 10:37	9	normal/no significant signs
			22-Jun-89 10:25	8 / 15:05	9	normal/no significant signs
			22-Jun-89 13:32	9 / 08:25	9	disoriented, moderate uncoordinated, moderate tremors, moderate
			22-Jun-89 13:37	9 / 10:21	9	disoriented, moderate uncoordinated, moderate tremors, slight inactive, slight
			22-Jun-89 13:43	9 / 14:33	9	normal/no significant signs
			22-Jun-89 13:47	10 / 08:16	9	normal/no significant signs
			22-Jun-89 13:55	10 / 10:18	9	disoriented, moderate uncoordinated, moderate tremors, moderate inactive, slight
			22-Jun-89 14:01	10 / 14:31	9	normal/no significant signs
			22-Jun-89 14:07	11 / 08:35	9	normal/no significant signs
			22-Jun-89 14:12	11 / 11:18	9	disoriented, moderate uncoordinated, moderate tremors, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
19	89F00169	M/ 4/4	22-Jun-89 14:16	11 / 20:15	9	uncoordinated, slight disoriented, slight
			22-Jun-89 14:24	12 / 08:22	9	disoriented, slight
			22-Jun-89 14:31	12 / 10:49	9	disoriented, moderate uncoordinated, moderate excessive thirst, moderate inactive, slight
			22-Jun-89 14:37	12 / 14:09	9	disoriented, moderate uncoordinated, slight inactive, moderate
			22-Jun-89 14:51	13 / 09:08	9	disoriented, slight uncoordinated, slight
			22-Jun-89 14:58	13 / 10:55	9	disoriented, moderate uncoordinated, moderate tremors, slight
			22-Jun-89 15:01	13 / 15:24	9	disoriented, moderate uncoordinated, slight tremors, slight
			22-Jun-89 15:05	14 / 08:00	9	disoriented, slight uncoordinated, moderate tremors, moderate hunched posture, slight
			22-Jun-89 15:12	14 / 09:34	9	disoriented, moderate uncoordinated, moderate
			22-Jun-89 15:19	14 / 14:55	9	disoriented, moderate uncoordinated, slight lameness, moderate, left front leg inactive, slight
			22-Jun-89 15:25	15 / 07:12	9	disoriented, moderate uncoordinated, moderate inactive, moderate hunched posture, slight
20	89F00258	M/ 4/5	26-Jun-89 07:57	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:04	1 / 09:55	9	increased respiration, moderate inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
20	89F00258	M/ 4/5	26-Jun-89 08:08	1 / 14:00	9	inactive, slight
			26-Jun-89 08:12	2 / 07:13	9	tremors, moderate wide-legged stance, moderate
			26-Jun-89 08:16	2 / 09:05	9	tremors, severe wide-legged stance, moderate disoriented, moderate uncoordinated, moderate
			26-Jun-89 08:21	2 / 14:00	9	inactive, slight uncoordinated, slight disoriented, slight
			26-Jun-89 08:25	3 / 07:54	9	uncoordinated, slight disoriented, slight
			26-Jun-89 08:40	3 / 10:05	9	increased respiration, moderate inactive, moderate wide-legged stance, moderate tremors, slight uncoordinated, slight
			26-Jun-89 09:18	3 / 14:06	9	increased respiration, slight wide-legged stance, slight pupils dilated, moderate excessive thirst, moderate
			26-Jun-89 09:31	4 / 07:32	9	normal/no significant signs
			26-Jun-89 09:38	4 / 11:39	9	wide-legged stance, slight uncoordinated, slight
			26-Jun-89 09:42	4 / 14:37	9	wide-legged stance, slight uncoordinated, slight
			26-Jun-89 09:47	5 / 07:21	9	wide-legged stance, slight pupils dilated, slight excessive thirst, moderate
			26-Jun-89 10:00	5 / 10:33	9	wide-legged stance, slight pupils dilated, slight uncoordinated, slight
			26-Jun-89 10:06	5 / 13:54	9	pupils dilated, slight increased respiration, slight tremors, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Anima:
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 57

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
20	89F00258	M/ 4/5	26-Jun-89 10:06	5 / 13:54	9	disoriented, slight
			26-Jun-89 10:09	6 / 08:25	9	pupils dilated, slight
			26-Jun-89 10:13	6 / 09:50	9	normal/no significant signs
			26-Jun-89 10:19	6 / 14:18	9	wide-legged stance, slight disoriented, slight uncoordinated, slight
			26-Jun-89 10:30	7 / 07:15	9	normal/no significant signs
			26-Jun-89 10:36	7 / 09:00	9	inactive, slight wide-legged stance, moderate disoriented, slight uncoordinated, slight
			26-Jun-89 10:46	7 / 14:29	9	uncoordinated, slight tremors, slight
			26-Jun-89 12:55	8 / 10:28	9	normal/no significant signs
			26-Jun-89 13:01	8 / 11:28	9	uncoordinated, slight pupils dilated, slight
			26-Jun-89 13:08	8 / 14:20	9	pupils dilated, slight
			26-Jun-89 13:12	9 / 08:09	9	pupils dilated, slight uncoordinated, slight tremors, slight hunched posture, slight inactive, slight
			26-Jun-89 13:21	9 / 09:46	9	pupils dilated, slight hunched posture, slight inactive, slight disoriented, slight
			26-Jun-89 13:27	9 / 14:05	9	pupils dilated, slight hunched posture, slight
			26-Jun-89 13:32	10 / 07:52	9	inactive, slight
			26-Jun-89 13:38	10 / 09:07	9	inactive, slight hunched posture, slight
			26-Jun-89 13:41	10 / 14:09	9	inactive, slight hunched posture, slight
			26-Jun-89 13:46	11 / 07:20	9	inactive, slight hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
20	89F00258	M/ 4/5	26-Jun-89 13:46	11 / 07:20	9	lack of appetite, moderate
			26-Jun-89 13:51	11 / 10:05	9	inactive, moderate lack of appetite, moderate
			26-Jun-89 13:58	11 / 14:26	9	hunched posture, slight
			26-Jun-89 14:04	12 / 07:36	9	hunched posture, moderate inactive, moderate mucus in stool, moderate
			26-Jun-89 14:09	12 / 10:44	9	hunched posture, severe inactive, moderate disoriented, moderate lack of appetite, moderate
			26-Jun-89 14:24	12 / 14:51	9	hunched posture, severe inactive, moderate lack of appetite, moderate diarrhea, moderate lameness, severe, left rear leg
			26-Jun-89 14:33	13 / 07:46	9	hunched posture, severe inactive, moderate diarrhea, slight lameness, severe, left rear leg
			26-Jun-89 14:39	13 / 09:41	9	tremors, moderate hunched posture, severe inactive, severe disoriented, moderate increased respiratory depth, moderate lameness, severe, left rear leg
			26-Jun-89 14:44	13 / 14:01	9	hunched posture, severe inactive, severe disoriented, moderate lameness, severe, left rear leg
			26-Jun-89 14:49	14 / 10:56	9	uncoordinated, moderate hunched posture, slight inactive, moderate disoriented, severe
			26-Jun-89 14:53	14 / 12:45	9	inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
20	89F00258	M/ 4/5	26-Jun-89	14:53	14 / 12:45	9	hunched posture, moderate
			26-Jun-89	14:58	14 / 16:03	9	inactive, moderate
			26-Jun-89	15:00	15 / 07:01	9	inactive, slight hunched posture, moderate
21	89F00116	M/ 5/1	07-Jun-89	08:05	1 / 08:53	9	normal/no significant signs
			07-Jun-89	13:42	1 / 09:53	9	disoriented, moderate increased respiratory depth, slight
			07-Jun-89	14:08	1 / 14:57	9	disoriented, moderate increased respiration, moderate wide-legged stance, moderate, both
			08-Jun-89	07:54	2 / 08:01	9	disoriented, slight wide-legged stance, slight, both uncoordinated, slight hyperactive, slight
			08-Jun-89	08:14	2 / 09:26	9	disoriented, slight uncoordinated, slight hyperactive, slight pupils dilated, slight
			08-Jun-89	08:44	2 / 14:34	9	pupils dilated, moderate wide-legged stance, slight hunched posture, slight excessive thirst, severe
			08-Jun-89	09:08	3 / 07:32	9	pupils dilated, slight wide-legged stance, slight disoriented, slight uncoordinated, slight
			08-Jun-89	09:49	3 / 10:54	9	pupils dilated, slight wide-legged stance, moderate disoriented, moderate uncoordinated, slight excessive thirst, severe
			08-Jun-89	09:56	3 / 14:13	9	excessive thirst, slight
			08-Jun-89	10:05	4 / 07:12	9	normal/no significant signs
			08-Jun-89	10:12	4 / 10:34	9	disoriented, slight wide-legged stance, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN [illegible]Y INSTITUTE OF RESEARCH
DIV OF RE[illegible]P, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 60

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
21	89F00116	M/ 5/1	08-Jun-89 10:12	4 / 10:34	9	hyperactive, slight hunched posture, slight
			08-Jun-89 10:20	4 / 14:35	9	disoriented, slight
			08-Jun-89 10:24	5 / 08:0[illegible]	9	normal/no significant signs
			08-Jun-89 10:29	5 / 11:50	9	increased respiration, slight excessive thirst, moderate
			08-Jun-89 10:35	5 / 16:35	9	excessive thirst, moderate
			08-Jun-89 10:38	6 / 07:4[illegible]	9	normal/no significant signs
			08-Jun-89 10:41	6 / 10:17	9	normal/no significant signs
			08-Jun-89 10:45	6 / 15:36	9	normal/no significant signs
			08-Jun-89 13:44	7 / 07:25	9	normal/no significant signs
			08-Jun-89 13:48	7 / 10:01	9	disoriented, slight wide-legged stance, slight
			08-Jun-89 14:00	7 / 15:09	9	disoriented, moderate inactive, moderate aggressive, slight congested, moderate
			09-Jun-89 07:44	8 / 08:20	9	hunched posture, slight
			09-Jun-89 07:52	8 / 11:05	9	hunched posture, slight disoriented, moderate startles, moderate uncoordinated, slight
			09-Jun-89 0[illegible] 3	8 / 14:14	9	disoriented, slight uncoordinated, slight inactive, slight
			09-Jun-89 08:19	9 / 07:50	9	normal/no significant signs
			09-Jun-89 08:30	9 / 09:22	9	disoriented, moderate uncoordinated, moderate hyperactive, slight
			09-Jun-89 08:39	9 / 14:28	9	normal/no significant signs
			09-Jun-89 08:46	10 / 06:49	9	normal/no significant signs
			09-Jun-89 09:04	10 / 08:31	9	disoriented, slight uncoordinated, slight
			09-Jun-89 09:13	10 / 14:40	9	disoriented, slight
			09-Jun-89 09:31	11 / 06:51	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number /Subgroup	Sex/group	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
21	89F00116	M/ 5/1	09-Jun-89 09:49	11 / 08:55	9	inactive, slight hunched posture, slight
			09-Jun-89 10:04	11 / 14:30	9	normal/no significant signs
			09-Jun-89 13:38	12 / 09:11	9	normal/no significant signs
			09-Jun-89 13:44	12 / 10:49	9	disoriented, slight uncoordinated, slight wide-legged stance, moderate
			09-Jun-89 13:48	12 / 17:00	9	normal/no significant signs
			09-Jun-89 13:52	13 / 08:55	9	normal/no significant signs
			09-Jun-89 13:58	13 / 10:10	9	disoriented, slight hunched posture, slight
			09-Jun-89 14:05	13 / 17:00	9	normal/no significant signs
			09-Jun-89 14:09	14 / 07:45	9	normal/no significant signs
			09-Jun-89 14:17	14 / 09:47	9	inactive, slight increased respiration, slight
			09-Jun-89 14:23	14 / 14:02	9	increased respiration, slight congested, moderate
			09-Jun-89 14:30	15 / 07:09	9	increased respiration, slight hunched posture, slight
22	89F00128	M/ 5/1	07-Jun-89 08:03	1 / 10:15	9	inactive, slight
			07-Jun-89 13:51	1 / 11:20	9	increased respiratory depth, slight increased respiration, moderate disoriented, slight hunched posture, slight
			07-Jun-89 14:10	1 / 15:10	9	disoriented, slight pupils dilated, moderate wide-legged stance, slight
			08-Jun-89 07:54	2 / 08:11	9	pupils dilated, moderate wide-legged stance, slight hyperactive, slight
			08-Jun-89 08:16	2 / 10:44	9	pupils dilated, moderate wide-legged stance, moderate hyperactive, moderate excessive thirst, moderate increased respiration, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
22	89F00128	M/ 5/1	08-Jun-89	08:16	2 / 10:44	9	disoriented, slight
			08-Jun-89	08:45	2 / 14:44	9	pupils dilated, moderate wide-legged stance, slight disoriented, slight
			08-Jun-89	09:08	3 / 07:47	9	pupils dilated, moderate wide-legged stance, slight disoriented, slight
			08-Jun-89	09:49	3 / 10:38	9	wide-legged stance, slight disoriented, slight
			08-Jun-89	09:56	3 / 14:26	9	normal/no significant signs
			08-Jun-89	10:06	4 / 07:27	9	pupils dilated, moderate
			08-Jun-89	10:13	4 / 10:56	9	inactive, slight disoriented, slight
			08-Jun-89	10:20	4 / 14:24	9	inactive, slight
			08-Jun-89	10:25	5 / 08:07	9	pupils dilated, moderate
			08-Jun-89	10:29	5 / 13:18	9	increased respiratory depth, slight excessive thirst, slight
			08-Jun-89	10:35	5 / 16:42	9	normal/no significant signs
			08-Jun-89	10:39	6 / 07:54	9	normal/no significant signs
			08-Jun-89	10:41	6 / 10:45	9	normal/no significant signs
			08-Jun-89	10:45	6 / 15:41	9	normal/no significant signs
			08-Jun-89	13:44	7 / 07:34	9	pupils dilated, moderate
			08-Jun-89	13:49	7 / 10:50	9	pupils dilated, moderate disoriented, slight wide-legged stance, slight
			08-Jun-89	14:03	7 / 15:19	9	pupils dilated, moderate disoriented, moderate increased respiration, slight uncoordinated, moderate
			09-Jun-89	07:45	8 / 08:30	9	pupils dilated, moderate uncoordinated, slight
			09-Jun-89	07:55	8 / 11:10	9	increased respiration, moderate pupils dilated, severe disoriented, moderate uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
22	89F00128	M/ 5/1	09-Jun-89 07:55	8 / 11:10	9	raspy breathing, moderate tremors, moderate
			09-Jun-89 08:08	8 / 14:23	9	increased respiration, moderate pupils dilated, severe disoriented, moderate uncoordinated, moderate tremors, slight
			09-Jun-89 08:21	9 / 07:57	9	disoriented, slight uncoordinated, moderate pupils dilated, moderate, left eye pupils dilated, severe, right eye
			09-Jun-89 08:32	9 / 10:18	9	disoriented, moderate uncoordinated, slight pupils dilated, severe, left eye pupils dilated, severe, right eye hyperactive, moderate lack of grooming, moderate tremors, moderate pupils dilated, severe
			09-Jun-89 08:39	9 / 14:35	9	normal/no significant signs
			09-Jun-89 08:48	10 / 06:58	9	increased respiration, slight tremors, slight pupils dilated, moderate, left eye pupils dilated, severe, right eye lack of grooming, moderate
			09-Jun-89 09:05	10 / 09:18	9	pupils dilated, moderate disoriented, moderate uncoordinated, moderate tremors, moderate hyperactive, slight
			09-Jun-89 09:15	10 / 14:40	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye
			09-Jun-89 09:32	11 / 07:01	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye tremors, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
22	89F00128	M/ 5/1	09-Jun-89 09:51	11 / 09:30	9	disoriented, slight tremors, moderate pupils dilated, moderate, left eye pupils dilated, severe, right eye lack of grooming, severe
			09-Jun-89 10:05	11 / 14:44	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye lack of grooming, moderate inactive, slight
			09-Jun-89 13:39	12 / 09:20	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye lack of grooming, moderate hyperactive, slight
			09-Jun-89 13:44	12 / 11:43	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye hyperactive, slight
			09-Jun-89 13:49	12 / 17:00	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye inactive, slight
			09-Jun-89 13:52	13 / 08:55	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye
			09-Jun-89 13:59	13 / 10:30	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye disoriented, slight uncoordinated, slight hyperactive, slight
			09-Jun-89 14:05	13 / 17:00	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye inactive, slight
			09-Jun-89 14:09	14 / 07:45	9	pupils dilated, moderate, left eye pupils dilated, severe, right eye
			09-Jun-89 14:17	14 / 09:58	9	inactive, slight wide-legged stance, slight
			09-Jun-89 14:24	14 / 14:15	9	inactive, slight disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
22	89F00128	M/ 5/1	09-Jun-89 14:30	15 / 07:19	9	pupils dilated, severe, right eye pupils dilated, moderate, left eye
23	89F00148	M/ 5/3	19-Jun-89 08:56	1 / 08:38	9	normal/no significant signs
			19-Jun-89 09:09	1 / 10:35	9	hunched posture, slight disoriented, moderate
			19-Jun-89 09:32	1 / 14:45	9	hunched posture, slight disoriented, moderate wide-legged stance, slight tremors, moderate inactive, slight
			19-Jun-89 10:13	2 / 08:20	9	hunched posture, slight disoriented, slight wide-legged stance, slight inactive, slight uncoordinated, moderate
			19-Jun-89 13:19	2 / 10:47	9	hunched posture, slight wide-legged stance, slight excessive thirst, slight
			19-Jun-89 13:24	2 / 14:44	9	hunched posture, slight excessive thirst, severe
			19-Jun-89 13:31	3 / 07:30	9	hunched posture, slight inactive, slight
			19-Jun-89 13:36	3 / 10:09	9	inactive, slight disoriented, slight wide-legged stance, slight uncoordinated, moderate
			19-Jun-89 13:44	3 / 14:40	9	excessive thirst, severe hunched posture, slight
			19-Jun-89 13:50	4 / 07:25	9	excessive thirst, severe
			19-Jun-89 14:00	4 / 09:57	9	excessive thirst, moderate hunched posture, slight inactive, slight
			19-Jun-89 14:07	4 / 14:54	9	inactive, slight hunched posture, slight
			19-Jun-89 14:12	5 / 09:25	9	excessive thirst, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
23	89F00148	M/ 5/3	19-Jun-89 14:18	5 / 12:07	9	excessive thirst, slight inactive, slight hunched posture, slight
			19-Jun-89 14:22	5 / 17:10	9	inactive, slight hunched posture, slight
			19-Jun-89 14:26	6 / 09:05	9	inactive, slight hunched posture, slight
			19-Jun-89 14:29	6 / 10:50	9	inactive, slight hunched posture, slight
			19-Jun-89 14:32	6 / 17:10	9	inactive, slight hunched posture, slight
			19-Jun-89 14:34	7 / 07:55	9	inactive, slight hunched posture, slight
			19-Jun-89 14:38	7 / 10:20	9	hunched posture, slight excessive thirst, slight
			19-Jun-89 14:46	7 / 14:03	9	inactive, slight
			19-Jun-89 15:14	8 / 08:09	9	inactive, moderate disoriented, slight uncoordinated, slight
			19-Jun-89 15:25	8 / 10:33	9	disoriented, moderate uncoordinated, moderate hunched posture, slight
			19-Jun-89 15:33	8 / 14:31	9	uncoordinated, moderate hunched posture, slight inactive, slight excessive thirst, moderate
			20-Jun-89 07:53	9 / 07:17	9	inactive, slight tremors, slight
			20-Jun-89 08:04	9 / 09:31	9	inactive, moderate
			20-Jun-89 08:09	9 / 14:50	9	inactive, moderate
			20-Jun-89 13:17	10 / 08:09	9	inactive, slight hunched posture, slight
			20-Jun-89 13:29	10 / 09:34	9	inactive, moderate hunched posture, moderate disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
23	89F00148	M/ 5/3	20-Jun-89 13:35	10 / 14:20	9	excessive thirst, moderate
			20-Jun-89 13:40	11 / 08:24	9	normal/no significant signs
			20-Jun-89 13:46	11 / 09:49	9	inactive, slight disoriented, moderate uncoordinated, moderate
			20-Jun-89 13:53	11 / 14:18	9	inactive, slight excessive thirst, slight
			20-Jun-89 13:58	12 / 08:23	9	inactive, slight
			20-Jun-89 14:04	12 / 10:33	9	inactive, slight disoriented, slight hunched posture, slight
			20-Jun-89 14:09	12 / 20:05	9	normal/no significant signs
			20-Jun-89 14:12	13 / 08:09	9	normal/no significant signs
			20-Jun-89 14:19	13 / 10:05	9	inactive, slight disoriented, slight hunched posture, slight
			20-Jun-89 14:24	13 / 14:01	9	inactive, slight disoriented, slight hunched posture, slight uncoordinated, slight
			20-Jun-89 14:31	14 / 08:59	9	inactive, slight
			20-Jun-89 14:40	14 / 10:11	9	inactive, moderate hunched posture, moderate
			20-Jun-89 15:05	14 / 15:14	9	inactive, slight
			20-Jun-89 15:09	15 / 07:25	9	normal/no significant signs
24	89F00259	M/ 5/5	26-Jun-89 07:57	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:04	1 / 10:00	9	disoriented, moderate
			26-Jun-89 08:08	1 / 14:00	9	inactive, slight
			26-Jun-89 08:13	2 / 07:15	9	disoriented, slight hunched posture, moderate
			26-Jun-89 08:17	2 / 09:05	9	disoriented, moderate hunched posture, moderate inactive, moderate
			26-Jun-89 08:21	2 / 14:00	9	hunched posture, slight inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00259	M/ 5/5	26-Jun-89 08:26	3 / 07:55	9	hunched posture, slight disoriented, slight tremors, slight
			26-Jun-89 08:41	3 / 10:14	9	inactive, slight disoriented, slight
			26-Jun-89 09:24	3 / 14:07	9	disoriented, slight hunched posture, slight loose stool, moderate
			26-Jun-89 09:32	4 / 07:37	9	inactive, moderate
			26-Jun-89 09:38	4 / 11:47	9	inactive, moderate hunched posture, slight
			26-Jun-89 09:43	4 / 14:38	9	inactive, slight hunched posture, slight mucus under cage - slight
			26-Jun-89 09:47	5 / 07:24	9	inactive, slight hunched posture, slight tremors, slight uncoordinated, slight
			26-Jun-89 10:01	5 / 10:45	9	inactive, moderate tremors, slight loose stool, slight uncoordinated, moderate
			26-Jun-89 10:06	5 / 13:58	9	inactive, moderate uncoordinated, slight hunched posture, slight
			26-Jun-89 10:09	6 / 08:25	9	inactive, moderate
			26-Jun-89 10:14	6 / 09:52	9	inactive, moderate tremors, slight loose stool, moderate
			26-Jun-89 10:21	6 / 14:18	9	inactive, slight tremors, slight disoriented, slight hunched posture, slight uncoordinated, slight
			26-Jun-89 10:30	7 / 07:16	9	inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00259	M/ 5/5	26-Jun-89 10:30	7 / 07:16	9	tremors, slight disoriented, slight hunched posture, moderate uncoordinated, slight
			26-Jun-89 10:37	7 / 08:57	9	disoriented, moderate uncoordinated, slight excessive thirst, moderate
			26-Jun-89 10:47	7 / 14:30	9	hunched posture, moderate inactive, slight lack of grooming, moderate
			26-Jun-89 12:56	8 / 09:10	9	hunched posture, slight inactive, slight lack of grooming, moderate
			26-Jun-89 13:02	8 / 10:10	9	hunched posture, slight inactive, slight lameness, moderate, left front leg
			26-Jun-89 13:09	8 / 14:21	9	inactive, slight increased respiratory depth, slight
			26-Jun-89 13:13	9 / 08:10	9	hunched posture, slight lack of grooming, moderate tremors, slight disoriented, slight
			26-Jun-89 13:22	9 / 09:51	9	hunched posture, moderate disoriented, slight inactive, moderate
			26-Jun-89 13:28	9 / 14:06	9	hunched posture, slight inactive, slight excessive thirst, slight
			26-Jun-89 13:33	10 / 07:53	9	hunched posture, slight inactive, slight
			26-Jun-89 13:39	10 / 09:15	9	hunched posture, slight inactive, slight disoriented, slight lack of grooming, moderate
			26-Jun-89 13:41	10 / 14:10	9	hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 70

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00259	M/ 5/5	26-Jun-89 13:41	10 / 14:10	9	lack of grooming, moderate excessive thirst, slight
			26-Jun-89 13:47	11 / 07:21	9	hunched posture, moderate tremors, slight disoriented, slight
			26-Jun-89 13:52	11 / 10:12	9	hunched posture, moderate tremors, slight disoriented, moderate inactive, slight
			26-Jun-89 13:58	11 / 14:27	9	hunched posture, moderate disoriented, slight
			26-Jun-89 14:05	12 / 07:38	9	inactive, slight lameness, moderate, rt fore leg
			26-Jun-89 14:10	12 / 10:51	9	lameness, slight, rt fore leg disoriented, slight hunched posture, slight
			26-Jun-89 14:24	12 / 14:51	9	lameness, slight, rt fore leg disoriented, slight hunched posture, slight
			26-Jun-89 14:34	13 / 07:48	9	lameness, slight, rt fore leg disoriented, slight hunched posture, moderate lack of appetite, slight
			26-Jun-89 14:42	13 / 09:48	9	lameness, slight, rt fore leg disoriented, moderate hunched posture, severe tremors, slight uncoordinated, moderate
			26-Jun-89 14:45	13 / 14:01	9	lameness, moderate, rt fore leg disoriented, slight hunched posture, severe inactive, slight
			26-Jun-89 14:50	14 / 11:15	9	disoriented, slight hunched posture, moderate inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00259	M/ 5/5	26-Jun-89 14:50	14 / 11:15	9	uncoordinated, moderate
			26-Jun-89 14:54	14 / 12:44	9	disoriented, moderate hunched posture, slight hyperactive, slight uncoordinated, moderate
			26-Jun-89 14:58	14 / 16:04	9	disoriented, slight hunched posture, slight uncoordinated, moderate
			26-Jun-89 15:01	15 / 07:05	9	disoriented, slight hunched posture, moderate
25	89F00261	M/ 5/5	26-Jun-89 07:58	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:05	1 / 09:56	9	disoriented, slight
			26-Jun-89 08:08	1 / 14:00	9	inactive, slight
			26-Jun-89 08:13	2 / 07:16	9	normal/no significant signs
			26-Jun-89 08:17	2 / 09:25	9	disoriented, moderate
			26-Jun-89 08:22	2 / 14:00	9	inactive, slight
			26-Jun-89 08:26	3 / 08:00	9	normal/no significant signs
			26-Jun-89 08:41	3 / 10:16	9	disoriented, slight hunched posture, slight
			26-Jun-89 09:24	3 / 14:08	9	disoriented, slight
			26-Jun-89 09:35	4 / 07:38	9	tearing, slight, both
			26-Jun-89 09:39	4 / 11:56	9	tearing, moderate, both inactive, moderate
			26-Jun-89 09:43	4 / 14:40	9	tearing, slight, both inactive, moderate
			26-Jun-89 09:50	5 / 07:24	9	tearing, slight, both inactive, slight
			26-Jun-89 10:01	5 / 10:49	9	tearing, slight, both inactive, moderate disoriented, slight
			26-Jun-89 10:06	5 / 13:59	9	inactive, slight
			26-Jun-89 10:10	6 / 08:25	9	inactive, slight
			26-Jun-89 10:15	6 / 10:00	9	inactive, moderate excessive thirst, slight lack of appetite, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
25	89F00261	M/ 5/5	26-Jun-89 10:22	6 / 14:19	9	inactive, moderate lack of appetite, slight hunched posture, moderate tearing, moderate
			26-Jun-89 10:31	7 / 07:17	9	inactive, slight lack of appetite, slight tearing, slight
			26-Jun-89 10:38	7 / 09:05	9	inactive, slight tearing, moderate disoriented, slight hunched posture, moderate
			26-Jun-89 10:47	7 / 14:31	9	inactive, slight tearing, moderate, both hunched posture, moderate
			26-Jun-89 12:56	8 / 10:00	9	inactive, slight tearing, moderate, both hunched posture, slight
			26-Jun-89 13:03	8 / 11:00	9	inactive, moderate hunched posture, moderate increased respiratory depth, slight tremors, moderate
			26-Jun-89 13:10	8 / 14:23	9	inactive, slight increased respiratory depth, slight
			26-Jun-89 13:14	9 / 08:11	9	inactive, slight hunched posture, moderate tearing, moderate, both
			26-Jun-89 13:24	9 / 09:54	9	hunched posture, moderate disoriented, slight
			26-Jun-89 13:28	9 / 14:08	9	inactive, slight lack of grooming, slight
			26-Jun-89 13:34	10 / 07:54	9	tearing, moderate, both
			26-Jun-89 13:39	10 / 09:23	9	tearing, moderate, both disoriented, slight
			26-Jun-89 13:42	10 / 14:11	9	tearing, moderate, both excessive thirst, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 73

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
25	89F00261	M/ 5/5	26-Jun-89 13:48	11 / 07:21	9	tearing, moderate, both hunched posture, slight inactive, moderate lack of appetite, moderate
			26-Jun-89 13:52	11 / 10:12	9	tearing, moderate, both hunched posture, moderate inactive, moderate
			26-Jun-89 13:59	11 / 14:27	9	tearing, moderate, both hunched posture, moderate inactive, moderate increased respiratory depth, slight
			26-Jun-89 14:05	12 / 07:38	9	tearing, moderate, both hunched posture, moderate
			26-Jun-89 14:11	12 / 10:51	9	tearing, moderate, both hunched posture, severe increased respiratory depth, slight disoriented, slight
			26-Jun-89 14:25	12 / 14:51	9	tearing, moderate, both hunched posture, severe inactive, moderate
			26-Jun-89 14:35	13 / 07:48	9	tearing, moderate, both hunched posture, moderate inactive, moderate
			26-Jun-89 14:42	13 / 09:48	9	tearing, moderate, both hunched posture, severe inactive, severe tremors, slight disoriented, severe
			26-Jun-89 14:46	13 / 14:02	9	tearing, moderate, both hunched posture, severe inactive, moderate disoriented, slight
			26-Jun-89 14:50	14 / 11:16	9	tearing, moderate, both hunched posture, moderate inactive, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
25	89F00261	M/ 5/5	26-Jun-89	14:55	14 / 12:52	9	tearing, moderate, right eye disoriented, moderate wide-legged stance, moderate
			26-Jun-89	14:59	14 / 16:05	9	tearing, moderate, right eye disoriented, slight excessive thirst, moderate
			26-Jun-89	15:01	15 / 07:10	9	tearing, moderate, right eye hunched posture, moderate
26	89F00120	M/ 6/1	07-Jun-89	08:01	1 / 09:09	9	normal/no significant signs
			07-Jun-89	13:52	1 / 10:09	9	disoriented, moderate tremors, moderate increased respiration, slight
			07-Jun-89	14:10	1 / 15:00	9	disoriented, moderate tremors, moderate increased respiration, slight wide-legged stance, moderate uncoordinated, slight
			08-Jun-89	07:55	2 / 08:04	9	disoriented, slight wide-legged stance, slight uncoordinated, slight
			08-Jun-89	08:17	2 / 09:36	9	disoriented, slight uncoordinated, slight increased respiration, slight excessive thirst, moderate hyperactive, moderate red eyes, slight
			08-Jun-89	08:46	2 / 14:39	9	disoriented, slight wide-legged stance, slight hyperactive, slight
			08-Jun-89	09:09	3 / 07:37	9	disoriented, slight wide-legged stance, slight hyperactive, slight uncoordinated, slight
			08-Jun-89	09:50	3 / 10:39	9	disoriented, moderate hyperactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
26	89F00120	M/ 6/1	08-Jun-89 09:50	3 / 10:39	9	uncoordinated, slight red eyes, slight
			08-Jun-89 09:57	3 / 14:19	9	excessive thirst, slight tremors, slight
			08-Jun-89 10:06	4 / 07:17	9	red eyes, slight uncoordinated, slight
			08-Jun-89 10:13	4 / 10:40	9	red eyes, slight uncoordinated, slight disoriented, slight tremors, slight wide-legged stance, slight excessive thirst, slight
			08-Jun-89 10:21	4 / 14:1c	9	red eyes, slight disoriented, slight
			08-Jun-89 10:25	5 / 08:04	9	normal/no significant signs
			08-Jun-89 10:30	5 / 12:22	9	normal/no significant signs
			08-Jun-89 10:35	5 / 16:37	9	normal/no significant signs
			08-Jun-89 10:39	6 / 07:49	9	normal/no significant signs
			08-Jun-89 10:41	6 / 10:27	9	normal/no significant signs
			08-Jun-89 10:45	6 / 15:38	9	normal/no significant signs
			08-Jun-89 13:45	7 / 07:27	9	normal/no significant signs
			08-Jun-89 13:50	7 / 10:20	9	disoriented, slight tremors, slight wide-legged stance, slight
			08-Jun-89 14:03	7 / 15:13	9	disoriented, slight uncoordinated, slight
			09-Jun-89 07:45	8 / 08:24	9	normal/no significant signs
			09-Jun-89 07:55	8 / 11:06	9	disoriented, moderate uncoordinated, moderate red eyes, moderate inactive, slight
			09-Jun-89 08:09	8 / 14:16	9	uncoordinated, slight inactive, slight
			09-Jun-89 08:21	9 / 07:53	9	normal/no significant signs
			09-Jun-89 08:33	9 / 09:55	9	disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
26	89F00120	M/ 6/1	09-Jun-89 08:33	9 / 09:55	9	uncoordinated, slight red eyes, slight
			09-Jun-89 08:39	9 / 14:31	9	normal/no significant signs
			09-Jun-89 08:48	10 / 06:52	9	normal/no significant signs
			09-Jun-89 09:05	10 / 08:48	9	excessive thirst, severe disoriented, slight
			09-Jun-89 09:14	10 / 14:40	9	normal/no significant signs
			09-Jun-89 09:32	11 / 06:54	9	normal/no significant signs
			09-Jun-89 09:51	11 / 09:06	9	disoriented, slight uncoordinated, slight
			09-Jun-89 10:05	11 / 14:40	9	normal/no significant signs
			09-Jun-89 13:39	12 / 09:15	9	normal/no significant signs
			09-Jun-89 13:43	12 / 11:04	9	disoriented, slight uncoordinated, moderate hunched posture, slight
			09-Jun-89 13:49	12 / 17:00	9	inactive, slight
			09-Jun-89 13:52	13 / 08:55	9	inactive, slight
			09-Jun-89 13:59	13 / 10:18	9	disoriented, slight uncoordinated, slight hunched posture, slight
			09-Jun-89 14:05	13 / 17:00	9	inactive, slight hunched posture, slight
			09-Jun-89 14:09	14 / 07:45	9	hunched posture, slight
			09-Jun-89 14:18	14 / 09:43	9	wide-legged stance, slight inactive, slight
			09-Jun-89 14:25	14 / 14:04	9	disoriented, moderate uncoordinated, moderate
			09-Jun-89 14:31	15 / 07:12	9	wide-legged stance, slight uncoordinated, slight disoriented, slight hunched posture, slight
27	89F00143	M/ 6/2	09-Jun-89 14:54	1 / 09:01	9	red eyes, slight
			09-Jun-89 15:05	1 / 12:14	9	red eyes, slight excessive thirst, slight disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
27	89F00143	M/ 6/2	09-Jun-89 15:05	1 / 12:14	9	tremors, slight
			09-Jun-89 15:11	1 / 15:03	9	excessive thirst, moderate hunched posture, slight
			13-Jun-89 13:23	2 / 08:00	9	red eyes, slight disoriented, slight tremors, moderate loose stool, moderate
			13-Jun-89 13:32	2 / 11:31	9	red eyes, slight disoriented, moderate tremors, slight excessive thirst, slight increased respiratory depth, slight uncoordinated, moderate
			13-Jun-89 13:38	2 / 14:36	9	excessive thirst, moderate
			13-Jun-89 13:44	3 / 07:37	9	normal/no significant signs
			13-Jun-89 13:47	3 / 11:32	9	normal/no significant signs
			13-Jun-89 13:50	3 / 14:10	9	normal/no significant signs
			13-Jun-89 15:29	4 / 08:14	9	inactive, slight
			13-Jun-89 15:32	4 / 12:35	9	normal/no significant signs
			13-Jun-89 15:34	4 / 16:48	9	excessive thirst, severe
			13-Jun-89 15:36	5 / 08:00	9	normal/no significant signs
			13-Jun-89 15:38	5 / 11:26	9	normal/no significant signs
			13-Jun-89 15:40	5 / 15:47	9	excessive thirst, moderate
			13-Jun-89 15:43	6 / 07:47	9	normal/no significant signs
			13-Jun-89 15:47	6 / 11:27	9	inactive, slight excessive thirst, slight
			13-Jun-89 15:50	6 / 15:31	9	excessive thirst, slight hunched posture, slight increased respiratory depth, slight inactive, slight
			16-Jun-89 14:09	7 / 08:07	9	hunched posture, slight inactive, slight red eyes, slight uncoordinated, slight
			16-Jun-89 14:20	7 / 10:26	9	disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
27	89F00143	M/ 6/2	16-Jun-89 14:20	7 / 10:26	9	loose stool, moderate uncoordinated, moderate pupils dilated, slight
			16-Jun-89 14:26	7 / 14:35	9	wide-legged stance, moderate
			16-Jun-89 14:40	8 / 08:12	9	wide-legged stance, slight hyperactive, slight tremors, slight
			16-Jun-89 14:48	8 / 10:39	9	wide-legged stance, slight inactive, moderate lack of grooming, severe
			16-Jun-89 14:56	8 / 14:43	9	excessive thirst, severe hunched posture, slight inactive, slight
			16-Jun-89 15:21	9 / 07:12	9	inactive, slight
			16-Jun-89 15:26	9 / 09:55	9	inactive, slight hunched posture, slight excessive thirst, moderate
			16-Jun-89 15:29	9 / 14:40	9	excessive thirst, moderate
			16-Jun-89 15:33	10 / 07:17	9	normal/no significant signs
			16-Jun-89 15:40	10 / 09:50	9	wide-legged stance, slight tremors, moderate lack of grooming, severe excessive thirst, moderate hunched posture, slight
			16-Jun-89 15:44	10 / 14:50	9	lack of grooming, severe inactive, slight
			16-Jun-89 15:47	11 / 09:20	9	inactive, slight
			16-Jun-89 15:50	11 / 12:00	9	inactive, slight
			16-Jun-89 15:54	11 / 17:05	9	inactive, slight
			19-Jun-89 07:32	12 / 09:00	9	lack of grooming, slight
			19-Jun-89 07:37	12 / 10:45	9	inactive, slight
			19-Jun-89 07:41	12 / 17:05	9	normal/no significant signs
			19-Jun-89 07:45	13 / 07:50	9	lack of grooming, slight
			19-Jun-89 07:51	13 / 10:17	9	disoriented, moderate inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
27	89F00143	M/ 6/2	19-Jun-89	07:51	13 / 10:17	9	pupils dilated, moderate exophthalmus, moderate
			19-Jun-89	07:58	13 / 14:27	9	disoriented, moderate inactive, moderate pupils dilated, moderate exophthalmus, slight lack of grooming, moderate
			19-Jun-89	08:06	14 / 07:47	9	tremors, slight lack of grooming, moderate hunched posture, slight disoriented, slight
			19-Jun-89	08:24	14 / 09:43	9	disoriented, moderate uncoordinated, slight inactive, slight hunched posture, slight wide-legged stance, moderate
			19-Jun-89	08:33	14 / 14:27	9	inactive, moderate excessive thirst, severe
			19-Jun-89	08:42	15 / 07:13	9	inactive, slight lack of grooming, severe
28	89F00149	M/ 6/3	19-Jun-89	08:56	1 / 08:44	9	normal/no significant signs
			19-Jun-89	09:11	1 / 10:35	9	disoriented, slight inactive, slight hunched posture, moderate uncoordinated, moderate
			19-Jun-89	09:33	1 / 14:46	9	inactive, slight hunched posture, moderate
			19-Jun-89	10:14	2 / 08:21	9	inactive, slight hunched posture, moderate disoriented, slight uncoordinated, slight
			19-Jun-89	13:19	2 / 10:48	9	inactive, moderate excessive thirst, moderate
			19-Jun-89	13:24	2 / 14:45	9	excessive thirst, severe hunched posture, slight
			19-Jun-89	13:31	3 / 07:18	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
23	89F00149	M/ 6/3	19-Jun-89 13:37	3 / 10:07	9	disoriented, slight excessive thirst, severe wide-legged stance, moderate increased respiratory depth, slight
			19-Jun-89 13:44	3 / 14:40	9	excessive thirst, severe inactive, slight
			19-Jun-89 13:50	4 / 07:40	9	normal/no significant signs
			19-Jun-89 14:01	4 / 10:03	9	disoriented, slight uncoordinated, slight excessive thirst, moderate wide-legged stance, moderate
			19-Jun-89 14:08	4 / 14:55	9	inactive, slight hunched posture, slight wide-legged stance, moderate
			19-Jun-89 14:13	5 / 09:25	9	excessive thirst, slight
			19-Jun-89 14:18	5 / 12:10	9	excessive thirst, slight disoriented, slight
			19-Jun-89 14:22	5 / 17:10	9	excessive thirst, slight
			19-Jun-89 14:26	6 / 09:05	9	wide-legged stance, slight inactive, slight
			19-Jun-89 14:30	6 / 10:57	9	disoriented, slight
			19-Jun-89 14:33	6 / 17:10	9	inactive, slight hunched posture, slight
			19-Jun-89 14:35	7 / 07:55	9	normal/no significant signs
			19-Jun-89 14:39	7 / 10:23	9	inactive, slight hunched posture, slight excessive thirst, severe
			19-Jun-89 14:46	7 / 14:04	9	uncoordinated, slight tremors, slight
			19-Jun-89 15:15	8 / 08:10	9	uncoordinated, slight hunched posture, slight wide-legged stance, slight
			19-Jun-89 15:25	8 / 10:30	9	uncoordinated, moderate hunched posture, slight wide-legged stance, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
28	89F00149	M/ 6/3	19-Jun-89 15:25	8 / 10:30	9	disoriented, moderate
			19-Jun-89 15:34	8 / 14:31	9	hunched posture, slight excessive thirst, severe
			20-Jun-89 07:54	9 / 07:19	9	hunched posture, moderate wide-legged stance, slight
			20-Jun-89 08:05	9 / 09:38	9	hunched posture, moderate wide-legged stance, slight tremors, slight excessive thirst, moderate hyperactive, slight
			20-Jun-89 08:10	9 / 14:51	9	excessive thirst, severe
			20-Jun-89 13:18	10 / 08:11	9	wide-legged stance, slight
			20-Jun-89 13:30	10 / 09:35	9	uncoordinated, moderate hunched posture, moderate disoriented, moderate excessive thirst, moderate
			20-Jun-89 13:36	10 / 14:21	9	hunched posture, moderate excessive thirst, severe
			20-Jun-89 13:41	11 / 08:25	9	disoriented, slight
			20-Jun-89 13:47	11 / 09:49	9	disoriented, moderate uncoordinated, slight wide-legged stance, moderate excessive thirst, moderate
			20-Jun-89 13:53	11 / 14:19	9	excessive thirst, severe
			20-Jun-89 13:58	12 / 08:24	9	normal/no significant signs
			20-Jun-89 14:05	12 / 10:40	9	hunched posture, slight disoriented, slight
			20-Jun-89 14:09	12 / 20:05	9	excessive thirst, severe
			20-Jun-89 14:12	13 / 08:10	9	normal/no significant signs
			20-Jun-89 14:19	13 / 10:10	9	uncoordinated, slight hunched posture, slight disoriented, slight excessive thirst, moderate
			20-Jun-89 14:25	13 / 14:02	9	hunched posture, moderate disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
28	89F00149	M/ 6/3	20-Jun-89 14:25	13 / 14:02	9	inactive, slight
			20-Jun-89 14:31	14 / 08:55	9	normal/no significant signs
			20-Jun-89 14:40	14 / 10:22	9	tremors, moderate disoriented, slight hunched posture, moderate
			20-Jun-89 15:05	14 / 15:14	9	tremors, moderate disoriented, slight hunched posture, moderate
			20-Jun-89 15:09	15 / 07:25	9	hunched posture, slight
29	89F00177	M/ 6/4	21-Jun-89 08:58	1 / 08:41	9	normal/no significant signs
			21-Jun-89 09:07	1 / 11:39	9	inactive, moderate
			21-Jun-89 09:23	1 / 15:05	9	excessive thirst, severe
			21-Jun-89 09:29	2 / 07:46	9	inactive, slight
			21-Jun-89 09:54	2 / 11:00	9	excessive thirst, moderate uncoordinated, moderate hunched posture, moderate
			21-Jun-89 10:02	2 / 14:40	9	inactive, slight
			21-Jun-89 10:22	3 / 07:51	9	inactive, slight hunched posture, slight
			21-Jun-89 10:28	3 / 10:53	9	inactive, slight hunched posture, slight excessive thirst, slight
			21-Jun-89 10:34	3 / 15:11	9	inactive, slight
			21-Jun-89 10:39	4 / 09:30	9	normal/no significant signs
			21-Jun-89 10:44	4 / 12:55	9	inactive, slight excessive thirst, slight
			21-Jun-89 10:49	4 / 17:15	9	inactive, slight hunched posture, slight
			22-Jun-89 09:20	5 / /:10	9	inactive, slight hunched posture, slight
			22-Jun-89 09:23	5 / 11:35	9	inactive, slight hunched posture, slight
			22-Jun-89 09:25	5 / 17:15	9	normal/no significant signs
			22-Jun-89 09:28	6 / 08:00	9	inactive, slight
			22-Jun-89 09:33	6 / 11:05	9	tremors, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
29	89F00177	M/ 6/4	22-Jun-89 09:33	6 / 11:05	9	uncoordinated, moderate hunched posture, moderate disoriented, moderate
			22-Jun-89 09:39	6 / 14:45	9	tremors, slight uncoordinated, moderate hunched posture, slight disoriented, moderate
			22-Jun-89 09:45	7 / 08:40	9	uncoordinated, moderate disoriented, moderate wide-legged stance, moderate
			22-Jun-89 09:52	7 / 10:22	9	uncoordinated, severe disoriented, severe tremors, moderate
			22-Jun-89 10:03	7 / 14:47	9	excessive thirst, severe
			22-Jun-89 10:16	8 / 07:55	9	tremors, slight disoriented, slight
			22-Jun-89 10:21	8 / 11:00	9	hunched posture, slight excessive thirst, slight
			22-Jun-89 10:26	8 / 15:09	9	excessive thirst, severe inactive, moderate
			22-Jun-89 13:33	9 / 08:30	9	inactive, moderate hunched posture, slight uncoordinated, slight
			22-Jun-89 13:38	9 / 10:39	9	disoriented, slight hunched posture, moderate uncoordinated, moderate
			22-Jun-89 13:44	9 / 14:40	9	excessive thirst, severe white ocular discharge, slight, left eye
			22-Jun-89 13:47	10 / 08:22	9	disoriented, slight uncoordinated, moderate
			22-Jun-89 13:55	10 / 10:24	9	tremors, slight disoriented, moderate uncoordinated, slight
			22-Jun-89 14:01	10 / 14:38	9	excessive thirst, severe
			22-Jun-89 14:07	11 / 08:40	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
29	89F00177	M/ 6/4	22-Jun-89	14:13	11 / 11:40	9	excessive thirst, moderate tremors, moderate disoriented, moderate uncoordinated, slight
			22-Jun-89	14:17	11 / 20:19	9	disoriented, slight
			22-Jun-89	14:24	12 / 08:28	9	normal/no significant signs
			22-Jun-89	14:31	12 / 11:12	9	excessive thirst, moderate tremors, moderate disoriented, moderate uncoordinated, moderate
			22-Jun-89	14:37	12 / 14:13	9	excessive thirst, slight tremors, slight disoriented, moderate uncoordinated, moderate
			22-Jun-89	14:51	13 / 09:14	9	tremors, slight disoriented, slight uncoordinated, slight hunched posture, slight
			22-Jun-89	14:58	13 / 11:10	9	tremors, slight disoriented, moderate hunched posture, moderate inactive, moderate
			22-Jun-89	15:02	13 / 15:30	9	disoriented, moderate hunched posture, moderate inactive, moderate
			22-Jun-89	15:06	14 / 08:05	9	disoriented, moderate inactive, slight lameness, moderate, rt fore leg
			22-Jun-89	15:12	14 / 09:49	9	disoriented, slight inactive, slight lameness, severe, rt fore leg hunched posture, slight
			22-Jun-89	15:19	14 / 15:01	9	inactive, moderate lameness, severe, rt fore leg depressed, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
29	89F00177	M/ 6/4	22-Jun-89 15:25	15 / 07:18	9	lameness, severe, rt fore leg disoriented, slight hunched posture, slight
30	89F00263	M/ 6/5	26-Jun-89 07:59	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:05	1 / 09:56	9	disoriented, slight pupils dilated, moderate
			26-Jun-89 08:09	1 / 14:00	9	normal/no significant signs
			26-Jun-89 08:13	2 / 07:17	9	normal/no significant signs
			26-Jun-89 08:18	2 / 09:17	9	disoriented, slight hyperactive, moderate tremors, moderate
			26-Jun-89 08:22	2 / 14:00	9	inactive, slight
			26-Jun-89 08:27	3 / 08:00	9	disoriented, moderate hyperactive, slight tremors, slight uncoordinated, moderate
			26-Jun-89 09:12	3 / 10:16	9	disoriented, slight pupils dilated, slight tremors, slight uncoordinated, moderate
			26-Jun-89 09:25	3 / 14:08	9	disoriented, moderate pupils dilated, moderate hyperactive, slight loose stool, severe
			26-Jun-89 09:35	4 / 07:39	9	normal/no significant signs
			26-Jun-89 09:39	4 / 12:07	9	pupils dilated, slight hunched posture, slight
			26-Jun-89 09:44	4 / 14:41	9	hyperactive, slight
			26-Jun-89 09:50	5 / 07:32	9	hyperactive, slight
			26-Jun-89 10:02	5 / 10:57	9	hyperactive, slight pupils dilated, slight uncoordinated, slight hunched posture, slight
			26-Jun-89 10:07	5 / 14:01	9	hyperactive, slight pupils dilated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
30	89F00263	M/ 6/5	26-Jun-89 10:10	6 / 08:25	9	hyperactive, slight pupils dilated, slight
			26-Jun-89 10:16	6 / 10:01	9	pupils dilated, slight
			26-Jun-89 10:24	6 / 14:20	9	inactive, slight lameness, moderate, left front leg
			26-Jun-89 10:31	7 / 07:18	9	lameness, severe, left front leg
			26-Jun-89 10:39	7 / 09:08	9	lameness, severe, left front leg disoriented, moderate hyperactive, moderate tremors, slight excessive thirst, moderate
			26-Jun-89 10:48	7 / 14:32	9	lameness, severe, rt fore leg
			26-Jun-89 12:57	8 / 09:32	9	lameness, severe, rt fore leg
			26-Jun-89 13:03	8 / 10:32	9	lameness, severe, rt fore leg hunched posture, slight disoriented, slight
			26-Jun-89 13:10	8 / 14:23	9	lameness, severe, rt fore leg
			26-Jun-89 13:15	9 / 08:12	9	lameness, severe, rt fore leg
			26-Jun-89 13:24	9 / 09:59	9	hunched posture, moderate disoriented, slight increased respiration, slight
			26-Jun-89 13:29	9 / 14:08	9	excessive thirst, moderate
			26-Jun-89 13:35	10 / 07:55	9	lameness, severe, rt fore leg
			26-Jun-89 13:39	10 / 09:30	9	lameness, severe, rt fore leg disoriented, slight
			26-Jun-89 13:42	10 / 14:12	9	lameness, severe, rt fore leg excessive thirst, severe
			26-Jun-89 13:48	11 / 07:22	9	lameness, moderate, rt fore leg disoriented, slight
			26-Jun-89 13:53	11 / 10:25	9	disoriented, moderate hunched posture, slight excessive thirst, moderate
			26-Jun-89 13:59	11 / 14:28	9	hunched posture, slight excessive thirst, slight
			26-Jun-89 14:06	12 / 07:39	9	hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 87

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
30	89F00263	M/ 6/5	26-Jun-89 14:06	12 / 07:39	9	lack of appetite, moderate
			26-Jun-89 14:12	12 / 11:00	9	hunched posture, moderate disoriented, moderate increased respiration, severe swollen testes, moderate
			26-Jun-89 14:26	12 / 14:52	9	hunched posture, slight swollen testes, moderate edema ventral, severe
			26-Jun-89 14:35	13 / 07:47	9	hunched posture, slight swollen testes, moderate edema ventral, moderate
			26-Jun-89 14:42	13 / 10:15	9	hunched posture, moderate swollen testes, moderate edema ventral, moderate disoriented, slight
			26-Jun-89 14:46	13 / 14:03	9	hunched posture, moderate swollen testes, slight edema ventral, moderate disoriented, slight
			26-Jun-89 14:51	14 / 11:16	9	hunched posture, moderate swollen testes, slight edema ventral, moderate
			26-Jun-89 14:55	14 / 12:49	9	inactive, slight disoriented, slight tremors, slight
			26-Jun-89 14:59	14 / 14:06	9	normal/no significant signs
			26-Jun-89 15:01	15 / 07:15	9	inactive, slight
31	89F00115	M/ 7/1	07-Jun-89 07:59	1 / 08:31	9	normal/no significant signs
			07-Jun-89 13:53	1 / 09:31	9	disoriented, moderate hunched posture, moderate inactive, moderate increased respiration, moderate red eyes, moderate
			07-Jun-89 14:13	1 / 14:55	9	disoriented, moderate hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
31	89F00115	M/ 7/1	07-Jun-89 14:13	1 / 14:55	9	increased respiration, slight red eyes, moderate hyperactive, slight uncoordinated, moderate wide-legged stance, moderate
			08-Jun-89 07:56	2 / 08:00	9	disoriented, slight red eyes, slight uncoordinated, slight wide-legged stance, slight
			08-Jun-89 08:19	2 / 09:25	9	disoriented, slight red eyes, slight uncoordinated, slight inactive, moderate
			08-Jun-89 08:47	2 / 14:31	9	disoriented, slight red eyes, slight uncoordinated, slight increased respiration, slight hyperactive, slight wide-legged stance, slight
			08-Jun-89 09:09	3 / 07:30	9	hyperactive, slight wide-legged stance, slight
			08-Jun-89 09:50	3 / 10:55	9	wide-legged stance, slight uncoordinated, moderate disoriented, moderate
			08-Jun-89 09:57	3 / 14:10	9	uncoordinated, slight disoriented, slight
			08-Jun-89 10:06	4 / 07:38	9	uncoordinated, slight disoriented, slight
			08-Jun-89 10:15	4 / 10:31	9	disoriented, slight hyperactive, slight wide-legged stance, slight tremors, slight
			08-Jun-89 10:21	4 / 14:15	9	normal/no significant signs
			08-Jun-89 10:25	5 / 08:01	9	normal/no significant signs
			08-Jun-89 10:31	5 / 10:05	9	increased respiration, slight
			08-Jun-89 10:35	5 / 16:33	9	normal/no significant signs
			08-Jun-89 10:39	6 / 07:46	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
31	89F00115	M/ 7/1	08-Jun-89 10:42	6 / 10:16	9	normal/no significant signs
			08-Jun-89 10:45	6 / 15:35	9	normal/no significant signs
			08-Jun-89 13:45	7 / 07:24	9	normal/no significant signs
			08-Jun-89 13:50	7 / 10:05	9	disoriented, slight inactive, moderate
			08-Jun-89 14:03	7 / 15:08	9	hunched posture, slight inactive, moderate
			09-Jun-89 07:46	8 / 07:18	9	wide-legged stance, moderate uncoordinated, moderate
			09-Jun-89 07:56	8 / 11:01	9	uncoordinated, slight disoriented, moderate hunched posture, moderate
			09-Jun-89 08:09	8 / 14:06	9	uncoordinated, slight disoriented, slight wide-legged stance, slight inactive, slight
			09-Jun-89 08:22	9 / 07:47	9	loose stool, slight
			09-Jun-89 08:34	9 / 09:12	9	inactive, moderate disoriented, slight hunched posture, moderate wide-legged stance, slight uncoordinated, slight
			09-Jun-89 08:39	9 / 14:28	9	hunched posture, moderate
			09-Jun-89 08:49	10 / 06:45	9	hunched posture, slight inactive, slight
			09-Jun-89 09:06	10 / 08:25	9	disoriented, slight uncoordinated, slight
			09-Jun-89 09:14	10 / 14:40	9	inactive, slight
			09-Jun-89 09:32	11 / 06:50	9	normal/no significant signs
			09-Jun-89 09:52	11 / 08:56	9	inactive, slight
			09-Jun-89 10:05	11 / 14:38	9	inactive, slight
			09-Jun-89 13:39	12 / 09:09	9	disoriented, slight
			09-Jun-89 13:45	12 / 10:39	9	disoriented, slight hunched posture, slight wide-legged stance, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
31	89F00115	M/ 7/1	09-Jun-89 13:45	12 / 10:39	9	uncoordinated, slight
			09-Jun-89 13:49	12 / 17:00	9	inactive, slight
			09-Jun-89 13:53	13 / 08:55	9	normal/no significant signs
			09-Jun-89 14:00	13 / 10:08	9	disoriented, slight hunched posture, slight
			09-Jun-89 14:05	13 / 17:00	9	normal/no significant signs
			09-Jun-89 14:09	14 / 07:45	9	normal/no significant signs
			09-Jun-89 14:18	14 / 09:36	9	inactive, slight increased respiration, slight wide-legged stance, slight uncoordinated, slight
			09-Jun-89 14:25	14 / 14:02	9	inactive, slight increased respiration, slight
			09-Jun-89 14:33	15 / 07:06	9	inactive, slight hunched posture, slight white discharge from eyes, moderate
32	89F00137	M/ 7/2	09-Jun-89 14:54	1 / 08:58	9	loose stool, slight
			09-Jun-89 15:06	1 / 11:26	9	startles disoriented, moderate hyperactive, slight
			09-Jun-89 15:12	1 / 14:51	9	startles, slight squinting, slight red eyes, moderate
			13-Jun-89 13:23	2 / 07:52	9	startles, slight squinting, slight red eyes, moderate disoriented, slight
			13-Jun-89 13:33	2 / 11:59	9	startles, moderate squinting, slight red eyes, moderate loose stool, slight
			13-Jun-89 13:38	2 / 14:31	9	normal/no significant signs
			13-Jun-89 13:45	3 / 07:32	9	normal/no significant signs
			13-Jun-89 13:50	3 / 14:03	9	normal/no significant signs
			13-Jun-89 15:29	4 / 08:11	9	normal/no significant signs
			13-Jun-89 15:32	4 / 13:41	9	normal/no significant signs
			13-Jun-89 15:34	4 / 16:45	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
32	89F00137	M/ 7/2	13-Jun-89 15:36	5 / 07:56	9	normal/no significant signs
			13-Jun-89 15:38	5 / 11:05	9	inactive, slight
			13-Jun-89 15:40	5 / 15:44	9	normal/no significant signs
			13-Jun-89 15:43	6 / 07:39	9	normal/no significant signs
			13-Jun-89 15:47	6 / 11:09	9	disoriented, slight
			13-Jun-89 15:51	6 / 15:24	9	normal/no significant signs
			16-Jun-89 14:09	7 / 07:58	9	normal/no significant signs
			16-Jun-89 14:20	7 / 10:15	9	disoriented, slight
			16-Jun-89 14:27	7 / 14:27	9	disoriented, slight startles, slight uncoordinated, slight
			16-Jun-89 14:40	8 / 08:06	9	hunched posture, slight
			16-Jun-89 14:48	8 / 10:30	9	hunched posture, slight
			16-Jun-89 14:56	8 / 14:40	9	normal/no significant signs
			16-Jun-89 15:21	9 / 07:04	9	normal/no significant signs
			16-Jun-89 15:26	9 / 09:32	9	disoriented, slight
			16-Jun-89 15:30	9 / 14:40	9	normal/no significant signs
			16-Jun-89 15:33	10 / 07:10	9	normal/no significant signs
			16-Jun-89 15:40	10 / 09:36	9	hunched posture, slight disoriented, slight inactive, slight
			16-Jun-89 15:44	10 / 14:47	9	normal/no significant signs
			16-Jun-89 15:47	11 / 09:20	9	inactive, slight
			16-Jun-89 15:50	11 / 11:53	9	inactive, slight hunched posture, slight
			16-Jun-89 15:54	11 / 17:05	9	inactive, slight
			19-Jun-89 07:32	12 / 09:00	9	normal/no significant signs
			19-Jun-89 07:37	12 / 10:38	9	hunched posture, slight inactive, slight uncoordinated, moderate wide-legged stance, moderate
			19-Jun-89 07:41	12 / 17:05	9	inactive, slight
			19-Jun-89 07:45	13 / 07:50	9	normal/no significant signs
			19-Jun-89 07:52	13 / 10:05	9	inactive, slight uncoordinated, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
32	89F00137	M/ 7/2	19-Jun-89 07:52	13 / 10:05	9	wide-legged stance, moderate
			19-Jun-89 07:58	13 / 14:21	9	disoriented, slight uncoordinated, slight wide-legged stance, slight
			19-Jun-89 08:06	14 / 07:48	9	wide-legged stance, slight hunched posture, slight tremors, slight increased respiration, slight
			19-Jun-89 08:25	14 / 09:29	9	wide-legged stance, slight hunched posture, moderate increased respiration, slight disoriented, slight uncoordinated, slight startles, moderate
			19-Jun-89 08:34	14 / 14:22	9	normal/no significant signs
			19-Jun-89 08:43	15 / 07:06	9	disoriented, slight hunched posture, slight inactive, slight
33	89F00171	M/ 7/4	21-Jun-89 08:58	1 / 08:35	9	normal/no significant signs
			21-Jun-89 09:08	1 / 11:27	9	normal/no significant signs
			21-Jun-89 09:24	1 / 15:00	9	inactive, moderate
			21-Jun-89 09:32	2 / 07:40	9	disoriented, slight uncoordinated, slight squinting, moderate, right eye red discharge, severe, right eye
			21-Jun-89 09:54	2 / 10:46	9	disoriented, moderate uncoordinated, slight red discharge, severe, right eye
			21-Jun-89 10:03	2 / 14:40	9	inactive, slight red discharge, slight, right eye
			21-Jun-89 10:22	3 / 07:45	9	normal/no significant signs
			21-Jun-89 10:29	3 / 10:28	9	inactive, slight disoriented, slight uncoordinated, moderate
			21-Jun-89 10:34	3 / 15:07	9	inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 93

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
33	89F00171	M/ 7/4	21-Jun-89 10:40	4 / 09:30	9	inactive, slight
			21-Jun-89 10:44	4 / 12:52	9	disoriented, slight uncoordinated, slight
			21-Jun-89 10:49	4 / 17:15	9	inactive, slight
			22-Jun-89 09:20	5 / 09:10	9	inactive, slight
			22-Jun-89 09:23	5 / 11:27	9	inactive, slight disoriented, slight uncoordinated, slight
			22-Jun-89 09:25	5 / 17:15	9	normal/no significant signs
			22-Jun-89 09:28	6 / 08:00	9	inactive, slight
			22-Jun-89 09:33	6 / 10:52	9	inactive, slight disoriented, moderate uncoordinated, moderate
			22-Jun-89 09:40	6 / 14:34	9	inactive, slight disoriented, slight uncoordinated, slight
			22-Jun-89 09:46	7 / 07:35	9	disoriented, slight uncoordinated, slight
			22-Jun-89 09:54	7 / 10:12	9	disoriented, severe uncoordinated, moderate
			22-Jun-89 10:03	7 / 14:43	9	normal/no significant signs
			22-Jun-89 10:16	8 / 07:45	9	disoriented, severe uncoordinated, severe tremors, moderate
			22-Jun-89 10:22	8 / 10:49	9	increased respiration, slight disoriented, slight
			22-Jun-89 10:26	8 / 15:06	9	normal/no significant signs
			22-Jun-89 13:33	9 / 08:28	9	normal/no significant signs
			22-Jun-89 13:38	9 / 10:22	9	disoriented, slight tremors, moderate hunched posture, slight
			22-Jun-89 13:44	9 / 14:35	9	increased respiration, slight
			22-Jun-89 13:48	10 / 07:18	9	normal/no significant signs
			22-Jun-89 13:56	10 / 10:18	9	uncoordinated, slight disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
33	89F00171	M/ 7/4	22-Jun-89 13:56	10 / 10:18	9	tremors, moderate
			22-Jun-89 14:01	10 / 14:32	9	disoriented, moderate
			22-Jun-89 14:08	11 / 08:36	9	disoriented, slight
			22-Jun-89 14:13	11 / 11:21	9	disoriented, moderate uncoordinated, slight
			22-Jun-89 14:18	11 / 20:15	9	disoriented, slight
			22-Jun-89 14:24	12 / 08:23	9	disoriented, slight
			22-Jun-89 14:32	12 / 10:54	9	disoriented, slight
			22-Jun-89 14:37	12 / 14:10	9	disoriented, slight hunched posture, slight
			22-Jun-89 14:51	13 / 09:09	9	normal/no significant signs
			22-Jun-89 14:58	13 / 10:50	9	hunched posture, slight disoriented, moderate
			22-Jun-89 15:03	13 / 15:25	9	disoriented, slight uncoordinated, slight tremors, slight
			22-Jun-89 15:06	14 / 08:01	9	disoriented, slight uncoordinated, slight
			22-Jun-89 15:12	14 / 09:39	9	disoriented, moderate uncoordinated, slight
			22-Jun-89 15:20	14 / 14:55	9	disoriented, moderate uncoordinated, slight excessive thirst, severe
			22-Jun-89 15:25	15 / 07:12	9	disoriented, slight
34	89F00164	M/ 7/4	21-Jun-89 08:58	1 / 08:31	9	normal/no significant signs
			21-Jun-89 09:08	1 / 11:17	9	normal/no significant signs
			21-Jun-89 09:24	1 / 14:55	9	normal/no significant signs
			21-Jun-89 09:33	2 / 07:34	9	increased respiratory depth, slight
			21-Jun-89 09:55	2 / 10:31	9	increased respiratory depth, slight inactive, slight hunched posture, slight
			21-Jun-89 10:07	2 / 14:40	9	inactive, slight excessive thirst, severe
			21-Jun-89 10:23	3 / 07:41	9	inactive, slight hunched posture, slight

Appendix D (cont.). INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Losses
Study Number: 88010X
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 95

SUB-ACUTE/

Cage #	Animal Number /Subgroup	Sex/group	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
34	89F00164	M/ 7/4	21-Jun-89 10:29	3 / 10:22	9	inactive, moderate hunched posture, slight increased respiratory depth, slight
			21-Jun-89 10:35	3 / 15:03	9	inactive, slight
			21-Jun-89 10:40	4 / 09:10	9	inactive, slight
			21-Jun-89 10:45	4 / 12:39	9	inactive, slight
			21-Jun-89 10:50	4 / 17:15	9	inactive, slight
			22-Jun-89 09:20	5 / 09:10	9	inactive, slight
			22-Jun-89 09:23	5 / 11:19	9	inactive, slight hunched posture, slight
			22-Jun-89 09:25	5 / 17:15	9	inactive, slight hunched posture, slight
			22-Jun-89 09:28	6 / 08:00	9	inactive, slight hunched posture, slight
			22-Jun-89 09:33	6 / 10:45	9	inactive, slight
			22-Jun-89 09:41	6 / 14:27	9	inactive, moderate hunched posture, moderate
			22-Jun-89 09:48	7 / 05:30	9	inactive, slight hunched posture, moderate increased respiratory depth, slight
			22-Jun-89 09:55	7 / 09:57	9	hunched posture, slight startles, moderate disoriented, moderate uncoordinated, moderate tremors, slight
			22-Jun-89 10:04	7 / 14:41	9	normal/no significant signs
			22-Jun-89 10:16	8 / 07:36	9	normal/no significant signs
			22-Jun-89 10:22	8 / 10:35	9	normal/no significant signs
			22-Jun-89 10:26	8 / 15:05	9	disoriented, moderate
			22-Jun-89 13:33	9 / 08:23	9	inactive, slight
			22-Jun-89 13:39	9 / 10:15	9	inactive, moderate disoriented, slight hunched posture, moderate
			22-Jun-89 13:44	9 / 14:31	9	inactive, moderate disoriented, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
34	89F00164	M/ 7/4	22-Jun-89 13:44	9 / 14:31	9	hunched posture, moderate
			22-Jun-89 13:48	10 / 08:12	9	inactive, slight increased respiratory depth, slight
			22-Jun-89 13:56	10 / 10:10	9	inactive, slight increased respiratory depth, slight disoriented, moderate hunched posture, moderate tremors, moderate uncoordinated, moderate
			22-Jun-89 14:02	10 / 14:29	9	inactive, slight increased respiratory depth, slight disoriented, moderate
			22-Jun-89 14:08	11 / 08:32	9	inactive, moderate
			22-Jun-89 14:13	11 / 11:10	9	inactive, moderate
			22-Jun-89 14:18	11 / 20:11	9	inactive, moderate
			22-Jun-89 14:24	12 / 08:17	9	inactive, moderate
			22-Jun-89 14:32	12 / 10:42	9	inactive, moderate disoriented, slight depressed, moderate
			22-Jun-89 14:37	12 / 14:07	9	inactive, moderate disoriented, slight depressed, moderate
			22-Jun-89 14:52	13 / 09:05	9	inactive, moderate disoriented, slight
			22-Jun-89 14:58	13 / 10:41	9	inactive, moderate disoriented, slight
			22-Jun-89 15:03	13 / 15:22	9	inactive, moderate
			22-Jun-89 15:07	14 / 07:57	9	inactive, moderate hunched posture, moderate depressed, moderate lack of appetite, moderate
			22-Jun-89 15:13	14 / 09:56	9	inactive, moderate hunched posture, moderate
			22-Jun-89 15:20	14 / 14:50	9	inactive, moderate hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
34	89F00164	M/ 7/4	22-Jun-89 15:20	14 / 14:50	9	lameness, severe, rt fore leg
			22-Jun-89 15:25	15 / 07:09	9	hunched posture, moderate
						lameness, severe, rt fore leg
35	89F00264	M/ 7/5	26-Jun-89 08:01	1 / 08:00	9	normal/no significant signs
						trauma to mouth - caught on collar
			26-Jun-89 08:06	1 / 10:05	9	hunched posture, moderate
						inactive, slight
						trauma to mouth - caught on collar
			26-Jun-89 08:09	1 / 14:00	9	hunched posture, slight
						inactive, slight
			26-Jun-89 08:13	2 / 07:19	9	normal/no significant signs
			26-Jun-89 08:18	2 / 09:24	9	disoriented, slight
						uncoordinated, slight
			26-Jun-89 08:23	2 / 14:00	9	inactive, slight
			26-Jun-89 08:27	3 / 08:02	9	normal/no significant signs
			26-Jun-89 09:13	3 / 10:25	9	hunched posture, moderate
						inactive, slight
			26-Jun-89 09:25	3 / 14:09	9	hunched posture, slight
						disoriented, slight
			26-Jun-89 09:36	4 / 07:40	9	normal/no significant signs
			26-Jun-89 09:40	4 / 12:15	9	inactive, slight
						uncoordinated, slight
			26-Jun-89 09:44	4 / 14:42	9	inactive, slight
			26-Jun-89 09:52	5 / 07:34	9	inactive, slight
						uncoordinated, slight
			26-Jun-89 10:03	5 / 11:05	9	inactive, moderate
						disoriented, slight
			26-Jun-89 10:07	5 / 14:02	9	inactive, slight
						hunched posture, slight
			26-Jun-89 10:11	6 / 08:25	9	hunched posture, slight
			26-Jun-89 10:16	6 / 10:00	9	hunched posture, slight
			26-Jun-89 10:25	6 / 14:22	9	hunched posture, slight
			26-Jun-89 10:31	7 / 07:19	9	hunched posture, slight
			26-Jun-89 10:40	7 / 09:24	9	disoriented, slight
			26-Jun-89 10:49	7 / 14:44	9	red eyes, moderate, left eye
			26-Jun-89 12:57	8 / 10:09	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
35	89F00264	M/ 7/5	26-Jun-89 13:04	8 / 11:09	9	disoriented, slight
			26-Jun-89 13:10	8 / 14:24	9	normal/no significant signs
			26-Jun-89 13:15	9 / 08:13	9	disoriented, slight
			26-Jun-89 13:25	9 / 10:03	9	inactive, moderate
			26-Jun-89 13:29	9 / 14:10	9	normal/no significant signs
			26-Jun-89 13:35	10 / 07:56	9	inactive, slight
			26-Jun-89 13:39	10 / 09:39	9	inactive, slight disoriented, slight
			26-Jun-89 13:42	10 / 14:12	9	normal/no significant signs
			26-Jun-89 13:49	11 / 07:21	9	lameness, severe, rt fore leg
			26-Jun-89 13:53	11 / 10:25	9	lameness, severe, rt fore leg inactive, slight disoriented, slight
			26-Jun-89 14:00	11 / 14:28	9	lameness, severe, rt fore leg disoriented, slight
			26-Jun-89 14:06	12 / 07:39	9	lameness, severe, rt fore leg
			26-Jun-89 14:12	12 / 11:00	9	lameness, severe, rt fore leg inactive, slight disoriented, slight
			26-Jun-89 14:27	12 / 14:52	9	lameness, severe, rt fore leg disoriented, slight
			26-Jun-89 14:35	13 / 07:48	9	lameness, severe, rt fore leg
			26-Jun-89 14:43	13 / 10:00	9	lameness, severe, rt fore leg disoriented, slight pupils dilated, moderate
			26-Jun-89 14:47	13 / 14:04	9	lameness, severe, rt fore leg disoriented, slight pupils dilated, moderate
			26-Jun-89 14:51	14 / 11:18	9	lameness, slight, rt fore leg disoriented, slight
			26-Jun-89 14:56	14 / 12:50	9	inactive, moderate hunched posture, moderate increased respiratory depth, slight
			26-Jun-89 14:59	14 / 16:07	9	normal/no significant signs
			26-Jun-89 15:02	15 / 08:11	9	hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
35	89F00264	M/ 7/5.	26-Jun-89 15:02	15 / 08:11	9	inactive, slight
36	89F00125	M/ 8/1	07-Jun-89 07:59	1 / 09:53	9	normal/no significant signs
			07-Jun-89 13:54	1 / 10:54	9	disoriented, moderate tremors, slight hyperactive, moderate
			07-Jun-89 14:17	1 / 15:06	9	disoriented, moderate hyperactive, slight red eyes, moderate startles, slight uncoordinated, slight
			08-Jun-89 07:57	2 / 08:07	9	disoriented, slight hyperactive, slight red eyes, slight uncoordinated, slight wide-legged stance, slight
			08-Jun-89 08:19	2 / 10:18	9	disoriented, slight hyperactive, slight red eyes, slight uncoordinated, slight wide-legged stance, slight tremors, slight startles, slight
			08-Jun-89 08:47	2 / 14:43	9	disoriented, slight hyperactive, slight red eyes, slight uncoordinated, slight wide-legged stance, slight
			08-Jun-89 09:10	3 / 07:45	9	hyperactive, slight wide-legged stance, slight tremors, slight startles, slight
			08-Jun-89 09:51	3 / 10:34	9	hyperactive, slight tremors, slight startles, slight
			08-Jun-89 09:58	3 / 14:24	9	hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 100
SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
36	89F00125	M/ 8/1	08-Jun-89 10:07	4 / 07:25	9	hyperactive, slight uncoordinated, slight
			08-Jun-89 10:15	4 / 10:45	9	uncoordinated, slight
			08-Jun-89 10:21	4 / 14:20	9	uncoordinated, slight disoriented, slight
			08-Jun-89 10:25	5 / 08:06	9	normal/no significant signs
			08-Jun-89 10:31	5 / 12:49	9	normal/no significant signs
			08-Jun-89 10:36	5 / 16:39	9	normal/no significant signs
			08-Jun-89 10:39	6 / 07:52	9	normal/no significant signs
			08-Jun-89 10:42	6 / 10:38	9	normal/no significant signs
			08-Jun-89 10:45	6 / 15:40	9	normal/no significant signs
			08-Jun-89 13:45	7 / 07:30	9	normal/no significant signs
			08-Jun-89 13:51	7 / 10:39	9	disoriented, slight hyperactive, slight uncoordinated, slight
			08-Jun-89 14:04	7 / 15:16	9	disoriented, moderate hyperactive, slight uncoordinated, slight
			09-Jun-89 07:47	8 / 08:27	9	disoriented, slight hyperactive, slight uncoordinated, slight hunched posture, slight tremors, slight
			09-Jun-89 07:57	8 / 11:21	9	disoriented, slight hyperactive, slight uncoordinated, moderate hunched posture, moderate tremors, slight
			09-Jun-89 08:10	8 / 14:19	9	disoriented, slight hyperactive, slight uncoordinated, moderate congested, slight
			09-Jun-89 08:22	9 / 07:56	9	hunched posture, slight
			09-Jun-89 08:35	9 / 10:08	9	disoriented, moderate uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
36	89F00125	M/ 8/1	09-Jun-89	08:35	9 / 10:08	9	hyperactive, moderate tremors, moderate red swollen testicles, moderate, left testicle
			09-Jun-89	08:43	9 / 14:53	9	hyperactive, slight red swollen testicles, moderate, left testicle
			09-Jun-89	08:50	10 / 06:55	9	hyperactive, slight red swollen testicles, moderate, left testicle tremors, moderate uncoordinated, slight
			09-Jun-89	09:07	10 / 09:10	9	red swollen testicles, moderate, left testicle disoriented, moderate uncoordinated, moderate hyperactive, moderate hunched posture, moderate increased respiratory depth, moderate
			09-Jun-89	09:14	10 / 14:40	9	red swollen testicles, moderate, left testicle
			09-Jun-89	09:33	11 / 07:00	9	uncoordinated, slight hyperactive, slight aggressive, moderate
			09-Jun-89	09:57	11 / 09:25	9	hyperactive, slight aggressive, moderate edema ventral, moderate
			09-Jun-89	10:06	11 / 14:43	9	aggressive, moderate edema ventral, moderate
			09-Jun-89	13:39	12 / 09:18	9	aggressive, moderate edema ventral, moderate
			09-Jun-89	13:45	12 / 11:31	9	aggressive, moderate edema ventral, moderate
			09-Jun-89	13:50	12 / 17:00	9	aggressive, moderate edema ventral, moderate
			09-Jun-89	13:53	13 / 08:55	9	aggressive, moderate edema ventral, moderate
			09-Jun-89	14:00	13 / 10:25	9	aggressive, moderate edema ventral, moderate disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
36	89F00125	M/ 8/1	09-Jun-89 14:06	13 / 17:00	9	aggressive, moderate edema ventral, moderate
			09-Jun-89 14:09	14 / 07:45	9	aggressive, moderate edema ventral, moderate
			09-Jun-89 14:20	14 / 11:30	9	edema testes, moderate hunched posture, moderate disoriented, moderate
			09-Jun-89 14:25	14 / 14:11	9	edema testes, moderate hunched posture, moderate disoriented, slight
			09-Jun-89 14:35	15 / 07:16	9	edema testes, moderate hunched posture, slight increased respiration, slight purple discolor left testicle, severe
37	89F00145	M/ 8/2	09-Jun-89 14:55	1 / 09:03	9	pupils dilated, moderate
			09-Jun-89 15:06	1 / 12:15	9	pupils dilated, moderate disoriented, slight
			09-Jun-89 15:12	1 / 15:04	9	pupils dilated, moderate disoriented, slight
			13-Jun-89 13:24	2 / 08:15	9	inactive, moderate
			13-Jun-89 13:34	2 / 11:25	9	disoriented, moderate pupils dilated, slight uncoordinated, moderate hyperactive, slight
			13-Jun-89 13:38	2 / 14:39	9	normal/no significant signs
			13-Jun-89 13:45	3 / 07:41	9	normal/no significant signs
			13-Jun-89 13:47	3 / 11:34	9	normal/no significant signs
			13-Jun-89 13:50	3 / 14:11	9	normal/no significant signs
			13-Jun-89 15:30	4 / 08:15	9	hunched posture, slight
			13-Jun-89 15:32	4 / 14:44	9	normal/no significant signs
			13-Jun-89 15:34	4 / 16:50	9	normal/no significant signs
			13-Jun-89 15:36	5 / 08:01	9	normal/no significant signs
			13-Jun-89 15:38	5 / 11:33	9	normal/no significant signs
			13-Jun-89 15:40	5 / 15:48	9	normal/no significant signs
			13-Jun-89 15:43	6 / 07:49	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
37	89F00145	M/ 8/2	13-Jun-89 15:47	6 / 11:27	9	inactive, slight
			13-Jun-89 15:51	6 / 15:32	9	pupils dilated, moderate disoriented, moderate inactive, moderate hunched posture, moderate uncoordinated, moderate
			16-Jun-89 14:10	7 / 08:10	9	inactive, moderate hunched posture, moderate uncoordinated, moderate wide-legged stance, moderate
			16-Jun-89 14:21	7 / 10:24	9	inactive, slight hunched posture, moderate uncoordinated, moderate pupils dilated, moderate disoriented, moderate
			16-Jun-89 14:27	7 / 14:40	9	inactive, slight pupils dilated, slight
			16-Jun-89 14:41	8 / 08:14	9	disoriented, slight pupils dilated, slight uncoordinated, slight
			16-Jun-89 14:49	8 / 10:45	9	disoriented, slight inactive, moderate tremors, slight
			16-Jun-89 14:56	8 / 14:44	9	inactive, slight
			16-Jun-89 15:22	9 / 07:13	9	pupils dilated, slight
			16-Jun-89 15:27	9 / 09:59	9	pupils dilated, slight disoriented, slight uncoordinated, moderate tremors, moderate
			16-Jun-89 15:30	9 / 14:40	9	pupils dilated, slight
			16-Jun-89 15:33	10 / 07:19	9	pupils dilated, slight inactive, slight tremors, slight
			16-Jun-89 15:41	10 / 09:54	9	pupils dilated, slight inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
37	89F00145	M/ 8/2	16-Jun-89	15:41	10 / 09:54	9	tremors, moderate disoriented, slight uncoordinated, moderate hunched posture, moderate
			16-Jun-89	15:45	10 / 14:51	9	pupils dilated, moderate inactive, slight
			16-Jun-89	15:47	11 / 09:20	9	inactive, slight
			16-Jun-89	15:51	11 / 12:03	9	inactive, slight pupils dilated, slight
			16-Jun-89	15:54	11 / 17:05	9	inactive, slight pupils dilated, slight
			19-Jun-89	07:32	12 / 09:00	9	inactive, slight
			19-Jun-89	07:38	12 / 10:46	9	pupils dilated, slight
			19-Jun-89	07:41	12 / 17:05	9	pupils dilated, slight
			19-Jun-89	07:45	13 / 07:50	9	pupils dilated, slight
			19-Jun-89	07:52	13 / 10:19	9	pupils dilated, moderate inactive, slight disoriented, moderate
			19-Jun-89	07:59	13 / 14:29	9	pupils dilated, moderate disoriented, slight red swollen testicles, moderate
			19-Jun-89	08:07	14 / 07:58	9	disoriented, slight red swollen testicles, moderate hunched posture, slight inactive, moderate
			19-Jun-89	08:26	14 / 09:46	9	disoriented, moderate hunched posture, slight inactive, slight uncoordinated, slight
			19-Jun-89	08:35	14 / 14:28	9	hunched posture, slight increased respiration, slight
			19-Jun-89	08:44	15 / 07:15	9	disoriented, slight uncoordinated, slight inactive, slight tremors, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
37	89F00145	M/ 8/2	19-Jun-89 08:44	15 / 07:15	9	blister back of neck
38	89F00158	M/ 8/3	19-Jun-89 08:57	1 / 08:49	9	normal/no significant signs
			19-Jun-89 09:11	1 / 10:58	9	inactive, slight increased respiration, slight
			19-Jun-89 09:34	1 / 14:53	9	inactive, moderate increased respiration, slight hunched posture, moderate squinting, moderate
			19-Jun-89 10:15	2 / 08:21	9	inactive, slight increased respiration, slight pupils dilated, slight
			19-Jun-89 13:20	2 / 11:10	9	inactive, slight increased respiration, slight
			19-Jun-89 13:24	2 / 14:52	9	normal/no significant signs
			19-Jun-89 13:31	3 / 07:27	9	inactive, slight hunched posture, slight
			19-Jun-89 13:37	3 / 10:23	9	inactive, moderate hunched posture, slight pupils dilated, slight wide-legged stance, moderate
			19-Jun-89 13:45	3 / 14:40	9	inactive, slight hunched posture, slight
			19-Jun-89 13:50	4 / 07:32	9	hunched posture, slight
			19-Jun-89 14:01	4 / 10:13	9	wide-legged stance, slight uncoordinated, moderate disoriented, slight
			19-Jun-89 14:08	4 / 15:01	9	inactive, slight hunched posture, slight
			19-Jun-89 14:13	5 / 09:25	9	hunched posture, slight
			19-Jun-89 14:18	5 / 12:24	9	hunched posture, slight inactive, slight
			19-Jun-89 14:22	5 / 17:10	9	inactive, slight
			19-Jun-89 14:27	6 / 09:05	9	normal/no significant signs
			19-Jun-89 14:30	6 / 11:12	9	inactive, slight hunched posture, slight
			19-Jun-89 14:33	6 / 17:10	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time was Taken	Oper #	Clinical signs / Comments
38	89F00158	M/ 8/3	19-Jun-89 14:35	7 / 07:55	9	inactive, slight
			19-Jun-89 14:39	7 / 10:38	9	normal/no significant signs
			19-Jun-89 14:47	7 / 14:15	9	disoriented, slight uncoordinated, slight
			19-Jun-89 15:16	8 / 08:24	9	disoriented, slight uncoordinated, slight hunched posture, slight wide-legged stance, moderate
			19-Jun-89 15:26	8 / 10:55	9	disoriented, moderate uncoordinated, moderate hunched posture, slight wide-legged stance, moderate raspy breathing, moderate
			19-Jun-89 15:35	8 / 14:38	9	disoriented, slight uncoordinated, slight inactive, slight
			20-Jun-89 07:54	9 / 07:31	9	disoriented, slight uncoordinated, slight wide-legged stance, slight
			20-Jun-89 08:05	9 / 10:01	9	disoriented, slight hunched posture, slight inactive, slight
			20-Jun-89 08:10	9 / 14:59	9	normal/no significant signs
			20-Jun-89 13:18	10 / 08:17	9	normal/no significant signs
			20-Jun-89 13:30	10 / 10:00	9	uncoordinated, slight disoriented, slight inactive, slight
			20-Jun-89 13:36	10 / 14:27	9	normal/no significant signs
			20-Jun-89 13:41	11 / 08:35	9	normal/no significant signs
			20-Jun-89 13:47	11 / 10:03	9	disoriented, moderate uncoordinated, moderate wide-legged stance, moderate raspy breathing, slight
			20-Jun-89 13:54	11 / 14:27	9	disoriented, moderate uncoordinated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
38	89F00158	M/ 8/3	20-Jun-89 13:59	12 / 08:29	9	disoriented, moderate inactive, slight
			20-Jun-89 14:05	12 / 11:05	9	disoriented, moderate inactive, moderate hunched posture, slight
			20-Jun-89 14:09	12 / 20:09	9	disoriented, moderate
			20-Jun-89 14:13	13 / 08:15	9	disoriented, slight uncoordinated, slight hunched posture, slight
			20-Jun-89 14:20	13 / 10:32	9	disoriented, slight hunched posture, moderate inactive, moderate
			20-Jun-89 14:27	13 / 14:05	9	hunched posture, moderate inactive, severe depressed, moderate
			30-Aug-89 14:24	14 / 09:02	4	dead
39	89F00165	M/ 8/4	21-Jun-89 08:59	1 / 08:31	9	hunched posture, slight
			21-Jun-89 09:08	1 / 11:19	9	hunched posture, slight
			21-Jun-89 09:24	1 / 14:56	9	hunched posture, slight inactive, slight
			21-Jun-89 09:33	2 / 07:35	9	normal/no significant signs
			21-Jun-89 09:55	2 / 10:33	9	hunched posture, moderate inactive, moderate lack of grooming, moderate
			21-Jun-89 10:08	2 / 14:40	9	hunched posture, slight
			21-Jun-89 10:23	3 / 07:42	9	normal/no significant signs
			21-Jun-89 10:30	3 / 10:24	9	hunched posture, moderate lack of grooming, moderate increased respiration, slight disoriented, slight uncoordinated, slight
			21-Jun-89 10:35	3 / 15:04	9	hunched posture, slight inactive, slight
			21-Jun-89 10:40	4 / 09:30	9	inactive, slight
			21-Jun-89 10:46	4 / 12:35	9	inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
39	89F00165	M/ 8/4	21-Jun-89 10:46	4 / 12:35	9	hunched posture, slight
			21-Jun-89 10:50	4 / 17:15	9	inactive, slight
			22-Jun-89 09:20	5 / 09:10	9	normal/no significant signs
			22-Jun-89 09:23	5 / 11:22	9	inactive, slight hunched posture, slight
			22-Jun-89 09:26	5 / 17:15	9	normal/no significant signs
			22-Jun-89 09:28	6 / 08:00	9	normal/no significant signs
			22-Jun-89 09:33	6 / 10:46	9	disoriented, moderate uncoordinated, moderate
			22-Jun-89 09:41	6 / 14:29	9	disoriented, slight uncoordinated, slight
			22-Jun-89 09:47	7 / 08:33	9	uncoordinated, slight hunched posture, slight
			22-Jun-89 09:55	7 / 10:00	9	disoriented, moderate uncoordinated, moderate wide-legged stance, moderate tremors, slight
			22-Jun-89 10:04	7 / 14:42	9	hunched posture, moderate increased respiration, moderate
			22-Jun-89 10:17	8 / 07:37	9	not using leg, severe, left front leg
			22-Jun-89 10:22	8 / 10:39	9	not using leg, severe, left front leg hunched posture, slight
			22-Jun-89 10:27	8 / 15:03	9	not using leg, severe, left front leg inactive, slight
			22-Jun-89 13:34	9 / 08:24	9	not using leg, severe, left front leg hunched posture, slight startles, moderate
			22-Jun-89 13:39	9 / 10:15	9	not using leg, severe, left front leg hunched posture, moderate disoriented, moderate
			22-Jun-89 13:45	9 / 14:32	9	not using leg, severe, left front leg hunched posture, moderate
			22-Jun-89 13:48	10 / 08:15	9	not using leg, severe, left front leg hunched posture, moderate
			22-Jun-89 13:57	10 / 10:12	9	not using leg, moderate, left front leg

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
39	89F00165	M/ 8/4	22-Jun-89 13:57	10 / 10:12	9	hunched posture, moderate inactive, slight disoriented, moderate
			22-Jun-89 14:02	10 / 14:30	9	not using leg, moderate, left front leg
			22-Jun-89 14:09	11 / 08:33	9	not using leg, moderate, left front leg hunched posture, moderate disoriented, slight
			22-Jun-89 14:14	11 / 11:15	9	not using leg, moderate, left front leg hunched posture, moderate disoriented, slight inactive, moderate
			22-Jun-89 14:18	11 / 20:11	9	not using leg, moderate, left front leg
			22-Jun-89 14:24	12 / 08:21	9	not using leg, moderate, left front leg
			22-Jun-89 14:33	12 / 10:43	9	not using leg, moderate, left front leg hunched posture, slight inactive, slight disoriented, slight
			22-Jun-89 14:38	12 / 14:08	9	not using leg, moderate, left front leg hunched posture, moderate inactive, slight tremors, slight
			22-Jun-89 14:52	13 / 09:06	9	not using leg, moderate, left front leg hunched posture, slight disoriented, slight
			22-Jun-89 14:59	13 / 10:47	9	not using leg, moderate, left front leg hunched posture, moderate disoriented, slight inactive, slight
			22-Jun-89 15:03	13 / 15:23	9	not using leg, moderate, left front leg hunched posture, moderate
			22-Jun-89 15:07	14 / 07:58	9	not using leg, moderate, left front leg hunched posture, slight
			22-Jun-89 15:14	14 / 09:26	9	not using leg, moderate, left front leg inactive, slight swollen testes, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
39	89F00165	M/ 8/4	22-Jun-89 15:14	14 / 09:26	9	disoriented, slight uncoordinated, slight
			22-Jun-89 15:20	14 / 14:53	9	not using leg, moderate, left front leg inactive, slight swollen testes, moderate
			22-Jun-89 15:26	15 / 07:11	9	inactive, moderate swollen testes, moderate disoriented, moderate uncoordinated, moderate
40	89F00266	M/ 8/5	26-Jun-89 08:02	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:06	1 / 10:06	9	disoriented, moderate hyperactive, slight
			26-Jun-89 08:10	1 / 14:00	9	inactive, slight
			26-Jun-89 08:14	2 / 07:20	9	disoriented, slight hyperactive, moderate
			26-Jun-89 08:19	2 / 09:26	9	disoriented, moderate hyperactive, moderate inactive, slight
			26-Jun-89 08:23	2 / 14:00	9	normal/no significant signs
			26-Jun-89 08:27	3 / 08:05	9	inactive, slight
			26-Jun-89 09:15	3 / 10:27	9	disoriented, slight
			26-Jun-89 09:27	3 / 14:10	9	disoriented, slight uncoordinated, moderate
			26-Jun-89 09:36	4 / 07:41	9	normal/no significant signs
			26-Jun-89 09:40	4 / 12:23	9	inactive, slight uncoordinated, slight
			26-Jun-89 09:45	4 / 14:43	9	inactive, slight tearing, slight, both
			26-Jun-89 09:53	5 / 07:35	9	inactive, moderate tearing, slight, both uncoordinated, slight
			[illegible]-Jun-89 10:04	5 / 11:12	9	inactive, moderate disoriented, slight increased respiratory depth, slight increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
40	89F00266	M/ 8/5	26-Jun-89 10:08	5 / 14:03	9	inactive, moderate increased respiratory depth, slight increased respiration, slight
			26-Jun-89 10:11	6 / 08:25	9	increased respiratory depth, moderate increased respiration, moderate
			26-Jun-89 10:16	6 / 10:05	9	increased respiratory depth, moderate increased respiration, moderate inactive, moderate
			26-Jun-89 10:27	6 / 14:23	9	inactive, moderate tearing, slight, both dec thirst, severe lack of appetite, severe
			26-Jun-89 10:53	7 / 07:20	9	inactive, severe dec thirst, severe lack of appetite, severe increased respiration, moderate increased respiratory depth, moderate
			26-Jun-89 [illegible]	7 / 09:25	9	inactive, severe dec thirst, severe lack of appetite, severe increased respiration, moderate increased respiratory depth, moderate depressed, severe hunched posture, slight
			26-Jun-89 10:50	7 / 14:46	9	dead
41	89F00121	M/ 9/1	07-Jun-89 07:59	1 / 10:01	9	normal/no significant signs
			07-Jun-89 13:55	1 / 11:24	9	disoriented, moderate red eyes, slight hyperactive, slight hunched posture, slight increased respiration, moderate
			07-Jun-89 14:18	1 / 15:02	9	disoriented, moderate red eyes, slight hyperactive, slight hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
41	89F00121	M/ 9/1	07-Jun-89 14:18	1 / 15:02	9	uncoordinated, slight
			08-Jun-89 08:03	2 / 08:05	9	disoriented, slight red eyes, moderate hunched posture, slight uncoordinated, slight increased respiration, moderate red swollen testicles, moderate
			08-Jun-89 09:11	3 / 07:40	9	red eyes, slight red swollen testicles, severe
			08-Jun-89 09:51	3 / 10:30	9	red eyes, slight red swollen testicles, severe
			08-Jun-89 09:58	3 / 14:21	9	red swollen testicles, severe increased respiration, moderate
			08-Jun-89 10:07	4 / 07:19	9	red swollen testicles, severe increased respiration, slight red eyes, slight
			08-Jun-89 0:16	4 / 10:41	9	red swollen testicles, severe increased respiration, slight loose stool, slight
			08-Jun-89 10:21	4 / 14:18	9	loose stool, slight
			08-Jun-89 10:26	5 / 08:06	9	red swollen testicles, severe
			08-Jun-89 10:31	5 / 12:10	9	increased respiration, slight red swollen testicles, severe
			08-Jun-89 10:36	5 / 16:38	9	red swollen testicles, severe
			08-Jun-89 10:39	6 / 07:50	9	red swollen testicles, moderate
			08-Jun-89 10:42	6 / 10:30	9	red swollen testicles, moderate
			08-Jun-89 10:46	6 / 15:38	9	red swollen testicles, moderate increased respiration, slight
			08-Jun-89 13:45	7 / 07:28	9	red swollen testicles, moderate
			08-Jun-89 13:52	7 / 10:22	9	red swollen testicles, moderate hyperactive, slight increased respiration, slight
			08-Jun-89 14:05	7 / 15:14	9	red swollen testicles, severe startles, slight disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
41	89F00121	M/ 9/1	08-Jun-89 14:05	7 / 15:14	9	hunched posture, slight
			09-Jun-89 07:47	8 / 08:25	9	red swollen testicles, severe hunched posture, slight
			09-Jun-89 07:58	8 / 11:13	9	red swollen testicles, severe hunched posture, moderate startles, slight disoriented, moderate
			09-Jun-89 08:11	8 / 14:18	9	red swollen testicles, severe hunched posture, slight startles, slight disoriented, slight hyperactive, slight
			09-Jun-89 08:23	9 / 07:54	9	red swollen testicles, severe startles, slight hyperactive, slight
			09-Jun-89 08:36	9 / 09:55	9	red swollen testicles, severe startles, slight hyperactive, slight hunched posture, slight
			09-Jun-89 08:43	9 / 14:32	9	red swollen testicles, severe hunched posture, moderate
			09-Jun-89 08:51	10 / 06:53	9	red swollen testicles, severe hyperactive, slight
			09-Jun-89 09:08	10 / 09:00	9	red swollen testicles, moderate disoriented, slight hunched posture, moderate
			09-Jun-89 09:14	10 / 14:40	9	red swollen testicles, moderate hunched posture, moderate
			09-Jun-89 09:33	11 / 06:55	9	red swollen testicles, moderate hunched posture, moderate
			09-Jun-89 10:00	11 / 09:10	9	red swollen testicles, moderate hunched posture, moderate
			09-Jun-89 10:06	11 / 14:41	9	red swollen testicles, moderate hunched posture, slight inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
41	89F00121	M/ 9/1	09-Jun-89 13:40	12 / 09:15	9	red swollen testicles, slight hunched posture, slight inactive, slight
			09-Jun-89 13:46	12 / 11:16	9	red swollen testicles, slight hunched posture, moderate disoriented, slight
			09-Jun-89 13:50	12 / 17:00	9	red swollen testicles, slight hunched posture, slight inactive, slight
			09-Jun-89 13:53	13 / 08:55	9	red swollen testicles, slight inactive, slight
			09-Jun-89 14:02	13 / 10:20	9	red swollen testicles, slight disoriented, slight hunched posture, moderate loose stool, moderate uncoordinated, slight
			09-Jun-89 14:07	13 / 17:00	9	red swollen testicles, slight inactive, slight hunched posture, slight
			09-Jun-89 14:09	14 / 07:45	9	red swollen testicles, slight
			09-Jun-89 14:20	14 / 09:43	9	increased respiration, slight
			09-Jun-89 14:26	14 / 14:08	9	hunched posture, slight edema testes, moderate
			09-Jun-89 14:36	15 / 07:14	9	hunched posture, slight edema testes, slight
42	89F00139	M/ 9/2	09-Jun-89 14:55	1 / 08:58	9	normal/no significant signs
			09-Jun-89 15:07	1 / 11:35	9	inactive, moderate red eyes, slight disoriented, moderate
			09-Jun-89 15:12	1 / 14:53	9	inactive, slight red eyes, slight
			13-Jun-89 13:24	2 / 07:53	9	inactive, slight red eyes, slight disoriented, slight uncoordinated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
42	89F00139	M/ 9/2	13-Jun-89 13:35	2 / 11:50	9	inactive, slight red eyes, slight disoriented, moderate uncoordinated, moderate wide-legged stance, moderate
			13-Jun-89 13:39	2 / 14:32	9	inactive, slight
			13-Jun-89 13:45	3 / 07:33	9	normal/no significant signs
			13-Jun-89 13:50	3 / 14:04	9	normal/no significant signs
			13-Jun-89 15:30	4 / 08:12	9	normal/no significant signs
			13-Jun-89 15:32	4 / 13:46	9	normal/no significant signs
			13-Jun-89 15:34	4 / 16:46	9	normal/no significant signs
			13-Jun-89 15:36	5 / 07:58	9	normal/no significant signs
			13-Jun-89 15:38	5 / 11:11	9	normal/no significant signs
			13-Jun-89 15:40	5 / 15:48	9	normal/no significant signs
			13-Jun-89 15:44	6 / 07:43	9	normal/no significant signs
			13-Jun-89 15:47	6 / 11:13	9	inactive, slight disoriented, moderate uncoordinated, slight
			13-Jun-89 15:52	6 / 15:27	9	inactive, slight disoriented, moderate uncoordinated, moderate red swollen testicles, moderate
			16-Jun-89 14:10	7 / 07:59	9	disoriented, slight uncoordinated, slight red swollen testicles, moderate
			16-Jun-89 14:21	7 / 10:17	9	disoriented, moderate uncoordinated, moderate red swollen testicles, moderate
			16-Jun-89 14:28	7 / 14:29	9	disoriented, slight uncoordinated, slight red swollen testicles, moderate
			16-Jun-89 14:42	8 / 08:07	9	inactive, slight disoriented, slight uncoordinated, moderate inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
42	89F00139	M/ 9/2	16-Jun-89 14:42	8 / 08:07	9	lack of grooming, slight
			16-Jun-89 14:51	8 / 10:32	9	inactive, slight white ocular discharge, slight
			16-Jun-89 14:57	8 / 14:40	9	inactive, slight white ocular discharge, slight
			16-Jun-89 15:22	9 / 07:04	9	inactive, slight white ocular discharge, slight
			16-Jun-89 15:27	9 / 09:40	9	white ocular discharge, slight disoriented, slight uncoordinated, slight
			16-Jun-89 15:30	9 / 14:40	9	inactive, slight
			16-Jun-89 15:34	10 / 07:11	9	inactive, slight disoriented, slight uncoordinated, slight white ocular discharge, slight
			16-Jun-89 15:41	10 / 09:46	9	disoriented, slight uncoordinated, slight white ocular discharge, slight
			16-Jun-89 15:45	10 / 14:48	9	normal/no significant signs
			16-Jun-89 15:47	11 / 09:20	9	inactive, slight
			16-Jun-89 15:51	11 / 11:59	9	lack of grooming, slight white ocular discharge, slight
			16-Jun-89 15:54	11 / 17:05	9	normal/no significant signs
			19-Jun-89 07:32	12 / 09:00	9	inactive, slight
			19-Jun-89 07:39	12 / 10:40	9	disoriented, slight uncoordinated, slight red swollen testicles, slight
			19-Jun-89 07:42	12 / 17:05	9	inactive, slight
			19-Jun-89 07:45	13 / 07:50	9	normal/no significant signs
			19-Jun-89 07:53	13 / 10:08	9	disoriented, slight uncoordinated, slight red swollen testicles, slight
			19-Jun-89 08:00	13 / 14:22	9	disoriented, slight uncoordinated, slight red swollen testicles, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
42	89F00139	M/ 9/2	19-Jun-89 08:10	14 / 07:50	9	uncoordinated, slight red swollen testicles, slight
			19-Jun-89 08:27	14 / 09:34	9	uncoordinated, moderate red swollen testicles, slight inactive, slight disoriented, moderate hunched posture, slight
			19-Jun-89 08:35	14 / 14:23	9	normal/no significant signs
			19-Jun-89 08:44	15 / 07:07	9	inactive, slight uncoordinated, moderate disoriented, slight
43	89F00151	M/ 9/3	19-Jun-89 08:58	1 / 08:45	9	red eyes, slight inactive, slight hunched posture, slight
			19-Jun-89 09:12	1 / 10:40	9	inactive, moderate hunched posture, moderate disoriented, moderate pupils dilated, moderate
			19-Jun-89 09:35	1 / 14:47	9	inactive, moderate hunched posture, moderate congested, slight
			19-Jun-89 10:17	2 / 08:22	9	inactive, slight hunched posture, moderate red eyes, slight disoriented, moderate pupils dilated, moderate startles, slight
			19-Jun-89 13:20	2 / 10:57	9	inactive, moderate hunched posture, slight pupils dilated, moderate
			19-Jun-89 13:25	2 / 14:46	9	hunched posture, slight
			19-Jun-89 13:32	3 / 07:16	9	hunched posture, slight inactive, moderate congested, moderate
			19-Jun-89 13:38	3 / 10:11	9	hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 118

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
43	89F00151	M/ 9/3	19-Jun-89 13:38	3 / 10:11	9	inactive, moderate
			19-Jun-89 13:45	3 / 14:40	9	hunched posture, moderate inactive, moderate
			19-Jun-89 13:51	4 / 07:26	9	hunched posture, moderate inactive, moderate startles, slight
			19-Jun-89 14:01	4 / 10:00	9	hunched posture, moderate inactive, moderate
			19-Jun-89 14:08	4 / 14:56	9	inactive, slight
			19-Jun-89 14:13	5 / 09:25	9	inactive, slight
			19-Jun-89 14:19	5 / 12:11	9	inactive, moderate hunched posture, moderate
			19-Jun-89 14:23	5 / 17:10	9	inactive, slight hunched posture, slight
			19-Jun-89 14:27	6 / 09:05	9	inactive, slight hunched posture, slight
			19-Jun-89 14:30	6 / 10:56	9	inactive, slight hunched posture, slight
			19-Jun-89 14:33	6 / 17:10	9	inactive, slight
			19-Jun-89 14:35	7 / 07:55	9	inactive, slight
			19-Jun-89 14:39	7 / 10:24	9	inactive, slight pupils dilated, moderate
			19-Jun-89 14:48	7 / 14:05	9	inactive, slight disoriented, moderate uncoordinated, moderate hunched posture, moderate
			19-Jun-89 15:16	8 / 08:11	9	inactive, slight hunched posture, moderate
			19-Jun-89 15:27	8 / 10:38	9	inactive, moderate hunched posture, moderate disoriented, moderate uncoordinated, moderate wide-legged stance, moderate tremors, slight
			19-Jun-89 15:36	8 / 14:32	9	inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
43	89F00151	M/ 9/3	19-Jun-89 15:36	8 / 14:32	9	disoriented, slight uncoordinated, slight wide-legged stance, slight
			20-Jun-89 07:56	9 / 07:19	9	inactive, moderate disoriented, slight hunched posture, moderate sways head slowly
			20-Jun-89 08:06	9 / 09:43	9	disoriented, moderate hunched posture, moderate sways head slowly
			20-Jun-89 08:11	9 / 14:53	9	hunched posture, moderate inactive, slight lack of appetite, slight
			20-Jun-89 13:19	10 / 08:10	9	inactive, slight red swollen testicles, moderate
			20-Jun-89 13:31	10 / 09:43	9	inactive, moderate red swollen testicles, moderate disoriented, moderate
			20-Jun-89 13:37	10 / 14:22	9	inactive, moderate red swollen testicles, moderate lack of appetite, severe
			20-Jun-89 13:42	11 / 08:25	9	inactive, moderate red swollen testicles, moderate lack of appetite, severe hunched posture, moderate sways head slowly
			20-Jun-89 13:48	11 / 09:49	9	inactive, moderate red swollen testicles, moderate hunched posture, moderate uncoordinated, moderate disoriented, moderate sways head slowly
			20-Jun-89 13:54	11 / 14:20	9	inactive, slight hunched posture, slight red swollen testicles, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
43	89F00151	M/ 9/3	20-Jun-89 13:59	12 / 08:24	9	inactive, slight hunched posture, slight raspy breathing, moderate
			20-Jun-89 14:06	12 / 10:38	9	inactive, moderate hunched posture, moderate sways head slowly
			20-Jun-89 14:10	12 / 20:05	9	inactive, slight hunched posture, slight sways head slowly
			20-Jun-89 14:14	13 / 08:11	9	inactive, slight hunched posture, slight lack of appetite, moderate raspy breathing, slight
			20-Jun-89 14:21	13 / 10:12	9	inactive, slight hunched posture, slight lack of appetite, moderate disoriented, moderate uncoordinated, moderate sways head slowly
			20-Jun-89 14:28	13 / 14:03	9	inactive, slight hunched posture, slight lack of appetite, severe disoriented, moderate uncoordinated, moderate sways head slowly wide-legged stance, slight
			20-Jun-89 14:32	14 / 08:56	9	inactive, moderate disoriented, slight hunched posture, moderate tremors, slight
			20-Jun-89 14:44	14 / 10:22	9	inactive, moderate hunched posture, severe lack of appetite, moderate depressed, severe rough coat, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
43	89F00151	M/ 9/3	20-Jun-89 15:06	14 / 15:15	9	inactive, slight lack of appetite, severe
			20-Jun-89 15:10	15 / 07:26	9	inactive, severe hunched posture, severe lack of appetite, moderate depressed, severe
44	89F00156	M/ 9/3	19-Jun-89 08:58	1 / 08:48	9	red eyes, slight
			19-Jun-89 09:13	1 / 10:52	9	inactive, slight hunched posture, slight
			19-Jun-89 09:37	1 / 14:50	9	inactive, moderate
			19-Jun-89 10:17	2 / 08:43	9	inactive, slight
			19-Jun-89 13:20	2 / 11:05	9	inactive, moderate
			19-Jun-89 13:25	2 / 14:51	9	normal/no significant signs
			19-Jun-89 13:32	3 / 07:25	9	normal/no significant signs
			19-Jun-89 13:38	3 / 10:20	9	inactive, slight hunched posture, slight
			19-Jun-89 13:45	3 / 14:40	9	inactive, slight
			19-Jun-89 13:51	4 / 07:29	9	normal/no significant signs
			19-Jun-89 14:01	4 / 10:21	9	disoriented, slight
			19-Jun-89 14:08	4 / 14:59	9	normal/no significant signs
			19-Jun-89 14:13	5 / 09:25	9	inactive, slight
			19-Jun-89 14:19	5 / 12:25	9	inactive, slight
			19-Jun-89 14:23	5 / 17:10	9	inactive, slight
			19-Jun-89 14:27	6 / 09:05	9	inactive, slight
			19-Jun-89 14:30	6 / 11:05	9	inactive, slight hunched posture, slight
			19-Jun-89 14:33	6 / 17:10	9	normal/no significant signs
			19-Jun-89 14:35	7 / 07:55	9	inactive, slight
			19-Jun-89 14:39	7 / 11:55	9	inactive, slight
			19-Jun-89 14:49	7 / 14:12	9	inactive, moderate increased respiration, slight edema ventral, severe hunched posture, moderate
			19-Jun-89 15:17	8 / 08:18	9	increased respiration, moderate edema ventral, severe

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
44	89F00156	M/ 9/3	19-Jun-89 15:17	8 / 08:18	9	startles, moderate wide-legged stance, moderate
			19-Jun-89 15:29	8 / 10:50	9	increased respiration, slight edema ventral, severe inactive, slight hunched posture, slight disoriented, moderate uncoordinated, moderate
			19-Jun-89 15:37	8 / 14:38	9	edema ventral, severe hunched posture, slight disoriented, slight
			20-Jun-89 07:57	9 / 07:27	9	edema ventral, severe inactive, slight edema testes, severe
			20-Jun-89 08:06	9 / 10:25	9	edema ventral, severe edema testes, severe
			20-Jun-89 08:12	9 / 14:58	9	edema ventral, severe edema testes, severe
			20-Jun-89 13:20	10 / 08:15	9	edema ventral, severe edema testes, severe inactive, slight disoriented, slight loose stool, moderate
			20-Jun-89 13:32	10 / 10:00	9	edema ventral, severe edema testes, severe inactive, moderate disoriented, slight loose stool, moderate hunched posture, moderate
			20-Jun-89 13:37	10 / 14:26	9	edema ventral, severe edema testes, severe
			20-Jun-89 13:42	11 / 08:33	9	edema ventral, severe edema testes, severe
			20-Jun-89 13:49	11 / 10:03	9	edema ventral, severe edema testes, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
44	89F00156	M/ 9/3	20-Jun-89 13:49	11 / 10:03	9	disoriented, slight uncoordinated, slight
			20-Jun-89 13:55	11 / 14:25	9	edema ventral, severe edema testes, severe
			20-Jun-89 13:59	12 / 08:27	9	inactive, slight hunched posture, slight edema ventral, severe edema testes, severe
			20-Jun-89 14:07	12 / 10:55	9	inactive, slight hunched posture, slight edema ventral, severe edema testes, severe
			20-Jun-89 14:10	12 / 20:07	9	edema ventral, severe edema testes, severe
			20-Jun-89 14:14	13 / 08:13	9	edema ventral, severe edema testes, severe
			20-Jun-89 14:21	13 / 10:25	9	edema ventral, severe edema testes, severe hunched posture, slight disoriented, slight
			20-Jun-89 14:28	13 / 14:04	9	edema ventral, severe edema testes, severe hunched posture, slight
			20-Jun-89 14:33	14 / 08:59	9	edema ventral, severe edema testes, severe wide-legged stance, moderate
			20-Jun-89 14:57	14 / 10:42	9	red swollen testicles, moderate hunched posture, moderate inactive, slight
			20-Jun-89 15:06	14 / 15:18	9	red swollen testicles, moderate
			20-Jun-89 15:10	15 / 07:53	9	red swollen testicles, moderate hunched posture, slight
45	89F00267	M/ 9/5	26-Jun-89 08:02	1 / 08:00	9	normal/no significant signs
			26-Jun-89 08:07	1 / 10:06	9	disoriented, slight inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00267	M/ 9/5	26-Jun-89 08:07	1 / 10:06	9	increased respiration, slight
			26-Jun-89 08:11	1 / 14:00	9	inactive, slight
			26-Jun-89 08:14	2 / 07:20	9	inactive, slight increased respiration, slight hunched posture, moderate
			26-Jun-89 08:19	2 / 09:35	9	inactive, moderate increased respiration, slight hunched posture, moderate
			26-Jun-89 08:23	2 / 14:00	9	normal/no significant signs
			26-Jun-89 08:28	3 / 08:06	9	inactive, slight disoriented, slight
			26-Jun-89 09:15	3 / 10:30	9	disoriented, moderate inactive, moderate increased respiration, moderate
			26-Jun-89 09:27	3 / 14:11	9	inactive, moderate increased respiration, slight
			26-Jun-89 09:36	4 / 07:42	9	inactive, moderate
			26-Jun-89 09:41	4 / 12:33	9	inactive, moderate disoriented, slight increased respiration, slight tremors, slight
			26-Jun-89 09:45	4 / 14:45	9	inactive, moderate disoriented, slight uncoordinated, slight
			26-Jun-89 09:53	5 / 07:37	9	inactive, moderate uncoordinated, slight
			26-Jun-89 10:04	5 / 11:20	9	inactive, moderate uncoordinated, slight disoriented, slight
			26-Jun-89 10:08	5 / 14:05	9	inactive, slight uncoordinated, slight
			26-Jun-89 10:12	6 / 08:25	9	inactive, slight
			26-Jun-89 10:17	6 / 10:10	9	normal/no significant signs
			26-Jun-89 10:27	6 / 14:25	9	normal/no significant signs
			26-Jun-89 10:33	7 / 07:21	9	inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 125

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00267	M/ 9/5	26-Jun-89 10:33	7 / 07:21	9	hunched posture, slight
			26-Jun-89 10:44	7 / 09:30	9	inactive, moderate disoriented, moderate increased respiration, slight uncoordinated, slight
			26-Jun-89 10:51	7 / 14:48	9	disoriented, moderate uncoordinated, slight lack of appetite, severe
			26-Jun-89 12:57	8 / 09:36	9	disoriented, slight tremors, slight
			26-Jun-89 13:05	8 / 10:36	9	disoriented, moderate uncoordinated, moderate lack of appetite, severe hunched posture, moderate inactive, moderate
			26-Jun-89 13:11	8 / 14:25	9	disoriented, moderate uncoordinated, moderate lack of appetite, severe hunched posture, moderate inactive, moderate
			26-Jun-89 13:16	9 / 08:14	9	disoriented, moderate uncoordinated, moderate hunched posture, moderate inactive, moderate
			26-Jun-89 13:25	9 / 10:04	9	disoriented, moderate uncoordinated, moderate inactive, moderate
			26-Jun-89 13:29	9 / 14:11	9	inactive, slight
			26-Jun-89 13:37	10 / 07:56	9	inactive, moderate hunched posture, moderate loose stool, moderate lack of appetite, severe dec thirst, severe
			26-Jun-89 13:40	10 / 09:41	9	inactive, moderate hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00267	M/ 9/5	26-Jun-89 13:40	10 / 09:41	9	loose stool, moderate lack of appetite, severe dec thirst, severe disoriented, moderate
			26-Jun-89 13:43	10 / 14:13	9	inactive, slight hunched posture, slight lack of appetite, severe dec thirst, severe disoriented, slight
			26-Jun-89 13:50	11 / 07:23	9	inactive, moderate hunched posture, moderate lack of appetite, severe dec thirst, severe
			26-Jun-89 13:56	11 / 10:32	9	hunched posture, moderate lack of appetite, severe dec thirst, severe disoriented, moderate uncoordinated, severe increased respiratory depth, moderate
			26-Jun-89 14:01	11 / 14:28	9	hunched posture, moderate lack of appetite, severe dec thirst, moderate inactive, severe
			26-Jun-89 14:07	12 / 07:39	9	hunched posture, moderate lack of appetite, severe dec thirst, severe inactive, severe disoriented, moderate
			26-Jun-89 14:13	12 / 11:07	9	hunched posture, severe lack of appetite, severe inactive, severe disoriented, moderate increased respiratory depth, slight swollen testes, moderate depressed, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00267	M/ 9/5	26-Jun-89 14:30	12 / 14:53	9	hunched posture, severe lack of appetite, severe inactive, severe disoriented, moderate
			26-Jun-89 14:37	13 / 07:48	9	hunched posture, severe lack of appetite, moderate inactive, severe disoriented, moderate increased respiratory depth, slight swollen testus, moderate depressed, moderate diarrhea, severe
			26-Jun-89 14:43	13 / 10:00	9	hunched posture, severe lack of appetite, moderate inactive, severe disoriented, severe increased respiratory depth, slight swollen testes, moderate
			26-Jun-89 14:48	13 / 14:04	9	hunched posture, severe lack of appetite, severe inactive, severe increased respiratory depth, moderate swollen testes, moderate depressed, moderate
			26-Jun-89 14:51	14 / 11:20	9	hunched posture, severe lack of appetite, severe inactive, severe increased respiratory depth, moderate swollen testes, moderate depressed, moderate loose stool, moderate
			26-Jun-89 14:57	14 / 12:54	9	inactive, moderate uncoordinated, moderate disoriented, moderate hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00267	M/ 9/5	26-Jun-89 14:59	14 / 16:08	9	inactive, moderate uncoordinated, moderate disoriented, moderate hunched posture, moderate lack of appetite, slight
			26-Jun-89 15:03	15 / 08:12	9	inactive, severe hunched posture, severe lack of appetite, moderate
46	89F00124	M/10/1	07-Jun-89 08:00	1 / 08:36	9	normal/no significant signs
			07-Jun-89 13:55	1 / 11:47	9	hunched posture, slight disoriented, moderate
			07-Jun-89 14:19	1 / 15:04	9	disoriented, slight wide-legged stance, moderate uncoordinated, slight
			08-Jun-89 08:04	2 / 08:06	9	disoriented, slight wide-legged stance, slight uncoordinated, slight
			08-Jun-89 08:24	2 / 10:26	9	disoriented, slight wide-legged stance, moderate uncoordinated, slight pupils dilated, slight hyperactive, moderate
			08-Jun-89 08:49	2 / 14:42	9	pupils dilated, slight hyperactive, slight
			08-Jun-89 09:12	3 / 07:44	9	hunched posture, slight disoriented, slight wide-legged stance, slight uncoordinated, slight
			08-Jun-89 09:52	3 / 09:25	9	normal/no significant signs
			08-Jun-89 10:08	4 / 07:20	9	tremors, slight pupils dilated, slight
			08-Jun-89 10:17	4 / 10:43	9	tremors, slight pupils dilated, slight disoriented, moderate wide-legged stance, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
46	89F00124	M/10/1'	08-Jun-89 10:17	4 / 10:43	9	uncoordinated, moderate
			08-Jun-89 10:22	4 / 14:19	9	pupils dilated, slight wide-legged stance, slight
			08-Jun-89 10:26	5 / 08:06	9	normal/no significant signs
			08-Jun-89 10:32	5 / 12:42	9	hunched posture, slight
			08-Jun-89 10:36	5 / 16:38	9	normal/no significant signs
			08-Jun-89 10:40	6 / 07:51	9	inactive, slight
			08-Jun-89 10:42	6 / 10:37	9	inactive, slight
			08-Jun-89 10:46	6 / 15:39	9	normal/no significant signs
			08-Jun-89 13:45	7 / 07:29	9	normal/no significant signs
			08-Jun-89 13:52	7 / 10:31	9	hunched posture, slight disoriented, slight
			08-Jun-89 14:06	7 / 15:15	9	hunched posture, slight inactive, moderate
			09-Jun-89 07:48	8 / 08:26	9	hunched posture, slight inactive, slight
			09-Jun-89 07:59	8 / 11:18	9	hunched posture, slight inactive, moderate disoriented, slight excessive thirst, moderate
			09-Jun-89 08:11	8 / 14:19	9	hunched posture, moderate inactive, moderate disoriented, slight excessive thirst, moderate
			09-Jun-89 08:23	9 / 07:55	9	normal/no significant signs
			09-Jun-89 08:36	9 / 10:05	9	inactive, slight disoriented, slight
			09-Jun-89 08:44	9 / 14:32	9	inactive, slight hunched posture, slight
			09-Jun-89 08:51	10 / 06:54	9	inactive, slight hunched posture, slight
			09-Jun-89 09:08	10 / 09:03	9	inactive, moderate hunched posture, moderate disoriented, moderate loose stool, severe

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
46	89F00124	M/10/1	09-Jun-89	09:15	10 / 14:40	9	hunched posture, slight disoriented, slight
			09-Jun-89	09:34	11 / 06:56	9	hunched posture, moderate inactive, slight loose stool, severe lack of grooming, moderate
			09-Jun-89	10:00	11 / 09:18	9	inactive, slight hunched posture, moderate lack of grooming, moderate
			09-Jun-89	10:07	11 / 14:42	9	hunched posture, slight lack of grooming, moderate
			09-Jun-89	13:40	12 / 09:17	9	hunched posture, slight lack of grooming, moderate
			09-Jun-89	13:47	12 / 11:18	9	lack of grooming, moderate inactive, slight disoriented, slight
			09-Jun-89	13:50	12 / 17:00	9	lack of grooming, moderate inactive, slight
			09-Jun-89	13:53	13 / 08:55	9	lack of grooming, moderate
			09-Jun-89	14:02	13 / 10:30	9	lack of grooming, moderate inactive, slight hunched posture, slight
			09-Jun-89	14:07	13 / 17:00	9	lack of grooming, moderate
			09-Jun-89	14:10	14 / 07:45	9	lack of grooming, moderate
			09-Jun-89	14:20	14 / 09:50	9	increased respiration, slight
			09-Jun-89	14:27	14 / 14:09	9	disoriented, slight loose stool, moderate hunched posture, moderate
			09-Jun-89	14:37	15 / 07:15	9	hunched posture, moderate lack of grooming, moderate wide-legged stance, moderate
47	89F00142	M/10/2	09-Jun-89	14:55	1 / 09:00	9	normal/no significant signs
			09-Jun-89	15:07	1 / 11:55	9	hunched posture, slight
			09-Jun-89	15:13	1 / 15:00	9	normal/no significant signs
			13-Jun-89	13:25	2 / 07:59	9	hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

PRINTED: 26-Oct-89
Page: 131
SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
47	89F00142	M/10/2	13-Jun-89 13:25	2 / 07:59	9	inactive, slight
			13-Jun-89 13:35	2 / 11:39	9	hunched posture, moderate wide-legged stance, moderate
			13-Jun-89 13:39	2 / 14:35	9	hunched posture, slight
			13-Jun-89 13:46	3 / 07:36	9	hunched posture, slight
			13-Jun-89 13:48	3 / 11:30	9	normal/no significant signs
			13-Jun-89 13:50	3 / 14:09	9	normal/no significant signs
			13-Jun-89 15:30	4 / 08:14	9	normal/no significant signs
			13-Jun-89 15:33	4 / 14:37	9	normal/no significant signs
			13-Jun-89 15:35	4 / 16:47	9	excessive thirst, severe
			13-Jun-89 15:36	5 / 07:59	9	normal/no significant signs
			13-Jun-89 15:38	5 / 11:24	9	normal/no significant signs
			13-Jun-89 15:40	5 / 15:46	9	normal/no significant signs
			13-Jun-89 15:44	6 / 07:47	9	normal/no significant signs
			13-Jun-89 15:48	6 / 11:23	9	wide-legged stance, slight
			13-Jun-89 15:53	6 / 15:30	9	wide-legged stance, moderate disoriented, slight
			16-Jun-89 14:11	7 / 08:06	9	wide-legged stance, slight hunched posture, moderate inactive, moderate
			16-Jun-89 14:22	7 / 10:24	9	hunched posture, slight disoriented, moderate uncoordinated, moderate
			16-Jun-89 14:29	7 / 14:34	9	disoriented, slight uncoordinated, slight excessive thirst, moderate
			16-Jun-89 14:43	8 / 08:11	9	disoriented, slight uncoordinated, slight tremors, slight
			16-Jun-89 14:51	8 / 10:35	9	uncoordinated, slight white ocular discharge, slight
			16-Jun-89 14:57	8 / 14:42	9	normal/no significant signs
			16-Jun-89 15:22	9 / 07:10	9	normal/no significant signs
			16-Jun-89 15:28	9 / 09:50	9	disoriented, slight tremors, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
47	89F00142	M/10/2	16-Jun-89 15:31	9 / 14:40	9	excessive thirst, severe
			16-Jun-89 15:35	10 / 07:16	9	excessive thirst, moderate white ocular discharge, slight
			16-Jun-89 15:42	10 / 09:46	9	white ocular discharge, slight disoriented, slight tremors, moderate
			16-Jun-89 15:45	10 / 14:49	9	normal/no significant signs
			16-Jun-89 15:48	11 / 09:20	9	normal/no significant signs
			16-Jun-89 15:52	11 / 12:00	9	inactive, slight white ocular discharge, slight
			16-Jun-89 15:54	11 / 17:05	9	inactive, slight
			19-Jun-89 07:32	12 / 09:00	9	normal/no significant signs
			19-Jun-89 07:39	12 / 10:45	9	inactive, slight
			19-Jun-89 07:42	12 / 17:05	9	normal/no significant signs
			19-Jun-89 07:45	13 / 07:50	9	inactive, slight
			19-Jun-89 07:54	13 / 10:12	9	disoriented, slight uncoordinated, slight hunched posture, slight
			19-Jun-89 08:00	13 / 14:25	9	disoriented, slight
			19-Jun-89 08:11	14 / 07:54	9	disoriented, slight tremors, moderate white ocular discharge, slight inactive, slight hunched posture, slight raspy breathing, slight
			19-Jun-89 08:29	14 / 09:42	9	uncoordinated, moderate disoriented, moderate hunched posture, slight wide-legged stance, slight
			19-Jun-89 08:35	14 / 14:26	9	normal/no significant signs
			19-Jun-89 08:45	15 / 07:11	9	uncoordinated, slight disoriented, slight
48	89F00168	M/10/3	19-Jun-89 08:59	1 / 08:51	9	normal/no significant signs
			19-Jun-89 09:15	1 / 11:07	9	increased respiration, slight
			19-Jun-89 09:37	1 / 14:55	9	increased respiration, slight
			19-Jun-89 10:17	2 / 08:45	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
48	89F00168	M/10/3	19-Jun-89 13:21	2 / 11:03	9	increased respiration, slight
			19-Jun-89 13:25	2 / 14:53	9	normal/no significant signs
			19-Jun-89 13:32	3 / 07:29	9	normal/no significant signs
			19-Jun-89 13:38	3 / 10:24	9	normal/no significant signs
			19-Jun-89 13:45	3 / 14:40	9	normal/no significant signs
			19-Jun-89 13:51	4 / 07:39	9	normal/no significant signs
			19-Jun-89 14:02	4 / 10:20	9	inactive, slight increased respiration, slight
			19-Jun-89 14:09	4 / 15:02	9	normal/no significant signs
			19-Jun-89 14:13	5 / 09:25	9	normal/no significant signs
			19-Jun-89 14:19	5 / 12:31	9	normal/no significant signs
			19-Jun-89 14:23	5 / 17:10	9	normal/no significant signs
			19-Jun-89 14:27	6 / 09:05	9	inactive, slight
			19-Jun-89 14:30	6 / 11:12	9	inactive, slight
			19-Jun-89 14:33	6 / 17:10	9	normal/no significant signs
			19-Jun-89 14:35	7 / 07:55	9	inactive, slight
			19-Jun-89 14:39	7 / 10:41	9	normal/no significant signs
			19-Jun-89 14:51	7 / 14:16	9	disoriented, moderate uncoordinated, moderate startles, moderate purple discolor left testicle, severe
			19-Jun-89 15:18	8 / 08:25	9	purple discolor left testicle, severe hunched posture, moderate
			19-Jun-89 15:29	8 / 10:56	9	purple discolor left testicle, severe hunched posture, moderate disoriented, moderate uncoordinated, moderate inactive, moderate
			19-Jun-89 15:37	8 / 14:39	9	hunched posture, slight inactive, moderate
			20-Jun-89 07:58	9 / 07:32	9	hunched posture, moderate inactive, moderate
			20-Jun-89 08:06	9 / 10:06	9	hunched posture, moderate inactive, moderate
			20-Jun-89 08:12	9 / 15:00	9	hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
48	89F00168	M/10/3	20-Jun-89 08:12	9 / 15:00	9	inactive, slight
			20-Jun-89 13:20	10 / 08:19	9	hunched posture, moderate pupils dilated, slight
			20-Jun-89 13:32	10 / 10:01	9	hunched posture, moderate pupils dilated, slight inactive, moderate
			20-Jun-89 13:38	10 / 14:28	9	inactive, slight
			20-Jun-89 13:42	11 / 08:35	9	normal/no significant signs
			20-Jun-89 13:49	11 / 10:06	9	disoriented, moderate uncoordinated, moderate hunched posture, moderate
			20-Jun-89 13:55	11 / 14:27	9	normal/no significant signs
			20-Jun-89 14:01	12 / 08:30	9	normal/no significant signs
			20-Jun-89 14:07	12 / 11:01	9	normal/no significant signs
			20-Jun-89 14:10	12 / 20:10	9	disoriented, slight
			20-Jun-89 14:14	13 / 08:19	9	disoriented, slight
			20-Jun-89 14:21	13 / 10:33	9	hunched posture, moderate inactive, moderate
			20-Jun-89 14:28	13 / 14:06	9	hunched posture, moderate inactive, moderate
			20-Jun-89 14:33	14 / 09:02	9	inactive, slight pupils dilated, slight
			20-Jun-89 14:58	14 / 10:38	9	inactive, slight disoriented, slight hunched posture, moderate increased respiration, slight
			20-Jun-89 15:06	14 / 15:20	9	inactive, slight hunched posture, moderate increased respiration, slight
			20-Jun-89 15:11	15 / 07:55	9	inactive, slight
49	89F00136	M/10/3	19-Jun-89 08:59	1 / 08:52	9	normal/no significant signs
			19-Jun-89 09:16	1 / 10:43	9	inactive, moderate disoriented, moderate uncoordinated, moderate
			19-Jun-89 09:38	1 / 14:56	9	inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
49	89F00136	M/10/3	19-Jun-89 09:38	1 / 14:56	9	disoriented, moderate uncoordinated, moderate
			19-Jun-89 10:18	2 / 08:23	9	inactive, slight disoriented, moderate uncoordinated, moderate tremors, slight pupils dilated, moderate
			19-Jun-89 13:21	2 / 10:55	9	inactive, slight pupils dilated, moderate
			19-Jun-89 13:25	2 / 14:47	9	normal/no significant signs
			19-Jun-89 13:32	3 / 07:20	9	normal/no significant signs
			19-Jun-89 13:40	3 / 10:15	9	inactive, moderate disoriented, slight uncoordinated, slight hunched posture, moderate
			19-Jun-89 13:46	3 / 14:40	9	inactive, moderate red eyes, moderate, both squinting, severe, both white ocular discharge, moderate, both
			19-Jun-89 13:53	4 / 07:24	9	red eyes, moderate, both squinting, moderate, both white ocular discharge, severe, both uncoordinated, moderate hunched posture, slight wide-legged stance, slight
			19-Jun-89 14:04	4 / 10:09	9	white ocular discharge, severe, both disoriented, moderate inactive, moderate uncoordinated, moderate
			19-Jun-89 14:09	4 / 14:57	9	inactive, slight white ocular discharge, severe, both
			19-Jun-89 14:13	5 / 09:25	9	white ocular discharge, severe, both
			19-Jun-89 14:20	5 / 12:15	9	white ocular discharge, severe, both inactive, slight disoriented, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
49	89F00136	M/10/3	19-Jun-89 14:20	5 / 12:15	9	uncoordinated, moderate hunched posture, slight
			19-Jun-89 14:23	5 / 17:10	9	white ocular discharge, severe, both inactive, slight hunched posture, slight
			19-Jun-89 14:27	6 / 09:05	9	white ocular discharge, severe, both
			19-Jun-89 14:31	6 / 10:54	9	white ocular discharge, severe, both hunched posture, slight inactive, slight
			19-Jun-89 14:33	6 / 17:10	9	white ocular discharge, severe, both inactive, slight
			19-Jun-89 14:35	7 / 07:55	9	white ocular discharge, severe, both inactive, slight
			19-Jun-89 14:39	7 / 10:30	9	white ocular discharge, severe, both inactive, slight
			19-Jun-89 14:55	7 / 14:07	9	uncoordinated, moderate disoriented, moderate wide-legged stance, moderate tremors, slight yellow ocular discharge, moderate
			19-Jun-89 15:19	8 / 08:12	9	yellow ocular discharge, moderate uncoordinated, slight disoriented, slight wide-legged stance, slight
			19-Jun-89 15:30	8 / 10:43	9	yellow ocular discharge, moderate uncoordinated, moderate disoriented, moderate inactive, slight
			19-Jun-89 15:37	8 / 14:33	9	yellow ocular discharge, moderate disoriented, moderate inactive, slight
			20-Jun-89 07:58	9 / 07:23	9	yellow ocular discharge, moderate disoriented, slight inactive, slight
			20-Jun-89 08:08	9 / 09:45	9	yellow ocular discharge, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
49	89F00136	M/10/3	20-Jun-89 08:08	9 / 09:45	9	disoriented, moderate uncoordinated, moderate tremors, slight
			20-Jun-89 08:13	9 / 14:54	9	disoriented, slight yellow ocular discharge, moderate inactive, slight lack of grooming, slight
			20-Jun-89 13:21	10 / 08:11	9	yellow ocular discharge, moderate inactive, moderate increased respiratory depth, slight
			20-Jun-89 13:33	10 / 09:47	9	yellow ocular discharge, severe inactive, moderate increased respiratory depth, moderate uncoordinated, slight disoriented, moderate congested, moderate
			20-Jun-89 13:38	10 / 14:24	9	inactive, moderate congested, moderate
			20-Jun-89 13:43	11 / 08:30	9	inactive, moderate disoriented, slight yellow ocular discharge, moderate
			20-Jun-89 13:50	11 / 09:55	9	inactive, slight disoriented, moderate yellow ocular discharge, moderate uncoordinated, slight
			20-Jun-89 13:56	11 / 14:21	9	inactive, slight yellow ocular discharge, moderate lack of grooming, slight
			20-Jun-89 14:02	12 / 08:25	9	yellow ocular discharge, moderate disoriented, slight
			20-Jun-89 14:07	12 / 10:44	9	yellow ocular discharge, moderate disoriented, slight uncoordinated, slight tremors, slight
			20-Jun-89 14:11	12 / 20:07	9	yellow ocular discharge, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
49	89F00136	M/10/3	20-Jun-89 14:11	12 / 20:07	9	disoriented, slight inactive, slight
			20-Jun-89 14:15	13 / 08:12	9	yellow ocular discharge, moderate disoriented, slight inactive, slight
			20-Jun-89 14:22	13 / 10:18	9	yellow ocular discharge, moderate disoriented, moderate inactive, moderate
			20-Jun-89 14:29	13 / 14:03	9	yellow ocular discharge, moderate disoriented, slight inactive, moderate
			20-Jun-89 14:33	14 / 08:57	9	yellow ocular discharge, moderate disoriented, slight inactive, slight wide-legged stance, slight
			20-Jun-89 14:59	14 / 10:20	9	ocular discharge, slight, both disoriented, moderate inactive, moderate hunched posture, slight
			20-Jun-89 15:07	14 / 15:16	9	ocular discharge, moderate, both disoriented, slight
			20-Jun-89 15:11	15 / 07:50	9	ocular discharge, moderate, both disoriented, slight
50	89F00175	M/10/4	21-Jun-89 08:59	1 / 08:37	9	inactive, slight uncoordinated, slight lack of grooming, slight
			21-Jun-89 09:09	1 / 11:36	9	normal/no significant signs
			21-Jun-89 09:24	1 / 15:03	9	normal/no significant signs
			21-Jun-89 09:33	2 / 07:43	9	uncoordinated, slight lack of grooming, slight disoriented, slight
			21-Jun-89 09:56	2 / 10:55	9	uncoordinated, slight hunched posture, slight tremors, moderate
			21-Jun-89 10:09	2 / 14:40	9	inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
50	89F00175	M/10/4	21-Jun-89 10:09	2 / 14:40	9	hunched posture, slight
			21-Jun-89 10:23	3 / 07:49	9	normal/no significant signs
			21-Jun-89 10:30	3 / 10:42	9	inactive, slight hunched posture, slight
			21-Jun-89 10:36	3 / 15:09	9	inactive, slight
			21-Jun-89 10:40	4 / 09:30	9	normal/no significant signs
			21-Jun-89 10:46	4 / 12:52	9	hunched posture, slight inactive, slight
			21-Jun-89 10:50	4 / 17:15	9	hunched posture, slight inactive, slight
			22-Jun-89 09:20	5 / 09:10	9	hunched posture, slight inactive, slight
			22-Jun-89 09:23	5 / 11:33	9	hunched posture, slight inactive, slight
			22-Jun-89 09:26	5 / 17:15	9	hunched posture, slight inactive, slight
			22-Jun-89 09:28	6 / 08:00	9	hunched posture, slight inactive, slight
			22-Jun-89 09:34	6 / 10:56	9	hunched posture, moderate inactive, slight
			22-Jun-89 09:42	6 / 14:42	9	hunched posture, moderate inactive, slight uncoordinated, slight
			22-Jun-89 09:47	7 / 08:38	9	inactive, slight
			22-Jun-89 09:57	7 / 10:12	9	inactive, moderate uncoordinated, moderate disoriented, moderate hunched posture, slight tremors, slight
			22-Jun-89 10:04	7 / 14:45	9	inactive, moderate
			22-Jun-89 10:18	8 / 07:54	9	disoriented, slight
			22-Jun-89 10:23	8 / 10:55	9	disoriented, moderate inactive, moderate
			22-Jun-89 10:27	8 / 15:07	9	inactive, moderate
			22-Jun-89 13:34	9 / 08:28	9	inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
50	89F00175	M/10/4	22-Jun-89 13:34	9 / 08:28	9	disoriented, slight
			22-Jun-89 13:39	9 / 10:31	9	inactive, moderate disoriented, slight
			22-Jun-89 13:45	9 / 14:39	9	inactive, moderate
			22-Jun-89 13:49	10 / 08:21	9	inactive, slight
			22-Jun-89 13:57	10 / 10:23	9	inactive, moderate disoriented, slight hunched posture, moderate
			22-Jun-89 14:02	10 / 14:35	9	disoriented, slight
			22-Jun-89 14:09	11 / 08:38	9	disoriented, slight inactive, slight
			22-Jun-89 14:14	11 / 11:30	9	hunched posture, slight
			22-Jun-89 14:18	11 / 20:17	9	hunched posture, slight
			22-Jun-89 14:24	12 / 08:26	9	hunched posture, slight
			22-Jun-89 14:33	12 / 11:01	9	hunched posture, slight inactive, slight increased respiration, slight
			22-Jun-89 14:38	12 / 14:11	9	inactive, slight hunched posture, moderate
			22-Jun-89 14:53	13 / 09:12	9	inactive, slight hunched posture, slight lack of appetite, slight
			22-Jun-89 14:59	13 / 11:01	9	inactive, moderate hunched posture, moderate increased respiration, slight
			22-Jun-89 15:03	13 / 15:28	9	inactive, moderate hunched posture, moderate
			22-Jun-89 15:07	14 / 08:04	9	inactive, moderate hunched posture, moderate increased respiration, slight
			22-Jun-89 15:14	14 / 09:43	9	disoriented, slight inactive, moderate lameness, severe, rt fore leg
			22-Jun-89 15:20	14 / 14:59	9	lameness, severe, rt fore leg
			22-Jun-89 15:26	15 / 07:16	9	lameness, severe, rt fore leg

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010M
Data Listing by Animal
Study Start Date: 25-Apr-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
50	89F00175	M/10/4	22-Jun-89 15:26	15 / 07:16	9	inactive, slight hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 1

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00339	F/ 1/1	08-Aug-89 14:19	1 / 10:15	9	normal/no significant signs
			08-Aug-89 14:35	1 / 11:16	9	disoriented, moderate uncoordinated, moderate inactive, slight
			08-Aug-89 14:46	1 / 16:13	9	increased respiratory depth, slight
			08-Aug-89 14:57	2 / 08:10	9	normal/no significant signs
			08-Aug-89 15:03	2 / 09:15	9	disoriented, moderate inactive, slight apprehensive, slight sways head, slight
			08-Aug-89 15:14	2 / 14:01	9	disoriented, slight uncoordinated, slight wide-legged stance, slight
			08-Aug-89 15:23	3 / 07:28	9	inactive, slight sways head, slight
			08-Aug-89 15:33	3 / 09:55	9	inactive, slight disoriented, slight increased respiratory depth, slight
			10-Aug-89 08:33	3 / 15:17	9	increased water consumption, severe
			10-Aug-89 09:36	4 / 07:30	9	inactive, slight sways head, slight
			10-Aug-89 09:48	4 / 10:40	9	disoriented, slight increased respiratory depth, moderate apprehensive, slight
			10-Aug-89 09:56	4 / 14:31	9	disoriented, moderate sways head, slight hunched posture, moderate
			10-Aug-89 10:05	5 / 08:02	9	normal/no significant signs
			10-Aug-89 10:08	5 / 11:09	9	increased water consumption, slight
			10-Aug-89 10:13	5 / 16:55	9	increased water consumption, moderate
			10-Aug-89 13:01	6 / 08:17	9	normal/no significant signs
			10-Aug-89 13:05	6 / 10:36	9	increased water consumption, slight
			10-Aug-89 13:09	6 / 15:48	9	increased water consumption, severe
			10-Aug-89 13:13	7 / 08:28	9	normal/no significant signs
			10-Aug-89 13:19	7 / 09:42	9	uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 2

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00339	F/ 1/1	10-Aug-89 13:19	7 / 09:42	9	hunched posture, moderate
			10-Aug-89 13:39	7 / 14:36	9	hunched posture, moderate increased respiration, slight
			10-Aug-89 14:07	8 / 08:11	9	hunched posture, slight increased respiration, slight disoriented, slight
			10-Aug-89 14:12	8 / 09:40	9	hunched posture, moderate increased respiration, moderate disoriented, moderate
			10-Aug-89 14:18	8 / 14:01	9	hunched posture, moderate disoriented, slight
			10-Aug-89 14:26	9 / 07:31	9	hunched posture, slight inactive, slight
			10-Aug-89 14:32	9 / 09:44	9	hunched posture, moderate increased respiration, slight disoriented, slight
			10-Aug-89 14:42	9 / 14:35	9	disoriented, slight
			10-Aug-89 15:00	10 / 07:13	9	disoriented, slight
			10-Aug-89 15:05	10 / 09:49	9	increased respiration, slight hunched posture, slight
			10-Aug-89 15:11	10 / 14:08	9	normal/no significant signs
			10-Aug-89 15:16	11 / 07:31	9	normal/no significant signs
			10-Aug-89 15:21	11 / 09:30	9	hunched posture, slight increased respiration, slight disoriented, slight inactive, slight startles, slight
			10-Aug-89 15:27	11 / 14:12	9	increased water consumption, slight
			14-Aug-89 09:13	12 / 07:57	9	normal/no significant signs
			14-Aug-89 09:17	12 / 09:39	9	normal/no significant signs
			14-Aug-89 09:24	12 / 15:37	9	normal/no significant signs
			14-Aug-89 09:28	13 / 06:14	9	normal/no significant signs
			14-Aug-89 09:32	13 / 09:36	9	increased respiration, slight inactive, slight
			14-Aug-89 09:38	13 / 13:44	9	increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
1	89F00339	F/ 1/1	14-Aug-89 09:43	14 / 08:00	9	hunched posture, slight
			14-Aug-89 09:53	14 / 10:47	9	hunched posture, slight inactive, slight pulled catheter
			14-Aug-89 10:02	14 / 16:01	9	increased water consumption, moderate
			14-Aug-89 10:06	15 / 07:12	9	hunched posture, moderate
2	89F00338	F/ 1/1	08-Aug-89 14:21	1 / 10:10	9	normal/no significant signs
			08-Aug-89 14:36	1 / 11:34	9	hunched posture, moderate inactive, moderate increased respiration, slight
			08-Aug-89 14:47	1 / 16:12	9	increased respiration, slight lacrimation, moderate, both eyes
			08-Aug-89 14:57	2 / 08:05	9	normal/no significant signs
			08-Aug-89 15:04	2 / 09:08	9	hunched posture, moderate inactive, moderate increased respiration, slight lacrimation, moderate disoriented, moderate
			08-Aug-89 15:14	2 / 14:01	9	inactive, slight disoriented, slight lacrimation, slight
			08-Aug-89 15:26	3 / 07:09	9	inactive, slight increased respiration, slight lacrimation, slight
			08-Aug-89 15:34	3 / 09:54	9	inactive, slight increased respiration, slight lacrimation, slight hunched posture, moderate disoriented, slight
			10-Aug-89 08:33	3 / 15:16	9	inactive, slight disoriented, slight
			10-Aug-89 09:37	4 / 07:29	9	increased respiration, slight
			10-Aug-89 09:49	4 / 10:30	9	inactive, moderate hunched posture, moderate disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
2	89F00338	F/ 1/1	10-Aug-89 09:49	4 / 10:30	9	increased respiration, moderate
			10-Aug-89 09:56	4 / 14:33	9	inactive, moderate hunched posture, slight disoriented, moderate increased respiration, moderate
			10-Aug-89 10:05	5 / 08:01	9	normal/no significant signs
			10-Aug-89 10:08	5 / 11:05	9	inactive, slight
			10-Aug-89 10:13	5 / 16:54	9	inactive, slight
			10-Aug-89 13:02	6 / 08:16	9	normal/no significant signs
			10-Aug-89 13:05	6 / 10:36	9	disoriented, slight
			10-Aug-89 13:09	6 / 15:48	9	normal/no significant signs
			10-Aug-89 13:13	7 / 08:25	9	normal/no significant signs
			10-Aug-89 13:20	7 / 09:35	9	hunched posture, moderate inactive, moderate disoriented, moderate
			10-Aug-89 13:40	7 / 14:35	9	hunched posture, moderate disoriented, moderate
			10-Aug-89 14:07	8 / 08:09	9	disoriented, slight hunched posture, slight inactive, slight wide-legged stance, slight
			10-Aug-89 14:12	8 / 09:40	9	hunched posture, slight inactive, slight dark material in nare, moderate increased respiration, slight
			10-Aug-89 14:18	8 / 14:01	9	hunched posture, slight inactive, slight dark material in nare, moderate
			10-Aug-89 14:26	9 / 07:30	9	inactive, slight dark material in nare, moderate
			10-Aug-89 14:32	9 / 09:39	9	inactive, slight dark material in nare, moderate hunched posture, slight disoriented, slight increased respiration, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
2	89F00338	F/ 1/1	10-Aug-89 14:32	9 / 09:39	9	increased respiratory depth, moderate
			10-Aug-89 14:44	9 / 14:33	9	dark material in nare, moderate disoriented, slight increased respiratory depth, slight irritation in eye, moderate, left eye
			10-Aug-89 15:00	10 / 07:12	9	dark material in nare, moderate disoriented, slight
			10-Aug-89 15:06	10 / 09:41	9	dark material in nare, moderate inactive, slight
			10-Aug-89 15:11	10 / 14:08	9	dark material in nare, moderate
			10-Aug-89 15:16	11 / 07:31	9	hunched posture, slight inactive, slight
			10-Aug-89 15:22	11 / 09:20	9	hunched posture, slight disoriented, slight increased respiration, slight increased respiratory depth, slight
			10-Aug-89 15:27	11 / 14:11	9	normal/no significant signs
			14-Aug-89 09:14	12 / 07:56	9	normal/no significant signs
			14-Aug-89 09:17	12 / 09:15	9	normal/no significant signs
			14-Aug-89 09:25	12 / 15:37	9	normal/no significant signs
			14-Aug-89 09:28	13 / 06:14	9	normal/no significant signs
			14-Aug-89 09:32	13 / 09:37	9	inactive, slight increased respiration, slight
			14-Aug-89 09:38	13 / 13:44	9	inactive, slight increased respiration, slight hunched posture, slight
			14-Aug-89 09:44	14 / 08:01	9	normal/no significant signs
			14-Aug-89 09:54	14 / 10:08	9	disoriented, slight hunched posture, slight
			14-Aug-89 10:02	14 / 16:00	9	disoriented, slight
			14-Aug-89 10:07	15 / 07:06	9	hunched posture, slight inactive, slight
3	89F00352	F/ 1/2	14-Aug-89 10:16	1 / 08:30	9	normal/no significant signs
			14-Aug-89 10:42	1 / 10:36	9	disoriented, slight
			14-Aug-89 10:47	1 / 14:05	9	increased water consumption, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 6
SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
3	89F00352	F/ 1/2	23-Aug-89 14:25	2 / 08:07	9	pulled catheter
			23-Aug-89 14:29	2 / 10:42	9	disoriented, slight increased respiration, moderate
			23-Aug-89 14:40	2 / 15:26	9	increased respiration, slight increased water consumption, slight
			23-Aug-89 14:45	3 / 08:16	9	normal/no significant signs
			23-Aug-89 14:48	3 / 11:16	9	disoriented, moderate inactive, slight
			23-Aug-89 14:57	3 / 14:45	9	disoriented, moderate increased respiration, slight
			23-Aug-89 15:01	4 / 08:09	9	normal/no significant signs
			23-Aug-89 15:05	4 / 10:40	9	normal/no significant signs
			23-Aug-89 15:09	4 / 17:06	9	normal/no significant signs
			23-Aug-89 15:13	5 / 08:24	9	normal/no significant signs
			23-Aug-89 15:16	5 / 11:13	9	normal/no significant signs
			23-Aug-89 15:21	5 / 15:54	9	normal/no significant signs
			02-Oct-89 09:17	6 / 08:47	4	normal/no significant signs
			02-Oct-89 09:26	6 / 10:40	4	disoriented, slight inactive, slight
			02-Oct-89 09:38	6 / 14:47	4	disoriented, moderate increased respiration, moderate
			07-Sep-89 13:02	7 / 08:24	9	disoriented, moderate inactive, slight apprehensive, slight
			07-Sep-89 13:17	7 / 10:15	9	disoriented, moderate inactive, moderate apprehensive, slight hunched posture, moderate
			07-Sep-89 13:28	7 / 14:10	9	increased respiration, moderate
			07-Sep-89 13:34	8 / 06:54	9	normal/no significant signs
			07-Sep-89 13:41	8 / 10:40	9	increased respiration, slight
			07-Sep-89 13:50	8 / 14:45	9	normal/no significant signs
			07-Sep-89 14:05	9 / 07:30	9	normal/no significant signs
			07-Sep-89 14:21	9 / 10:49	9	normal/no significant signs
			07-Sep-89 14:26	9 / 14:21	9	normal/no significant signs
			07-Sep-89 14:30	10 / 08:00	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
3	89F00352	F/ 1/2	07-Sep-89 14:40	10 / 12:00	9	increased respiration, moderate hunched posture, slight disoriented, slight
			07-Sep-89 14:47	10 / 14:25	9	normal/no significant signs
			07-Sep-89 14:53	11 / 08:08	9	normal/no significant signs
			07-Sep-89 14:58	11 / 09:50	9	normal/no significant signs
			07-Sep-89 15:05	11 / 15:45	9	normal/no significant signs
			07-Sep-89 15:18	12 / 06:25	9	normal/no significant signs
			07-Sep-89 15:23	12 / 09:55	9	increased respiration, slight hunched posture, slight inactive, moderate
			07-Sep-89 15:28	12 / 13:57	9	hunched posture, slight
			07-Sep-89 15:33	13 / 08:13	9	hunched posture, slight
			07-Sep-89 15:38	13 / 11:08	9	hunched posture, slight disoriented, slight inactive, slight
			07-Sep-89 15:45	13 / 16:10	9	increased water consumption, moderate
			07-Sep-89 15:50	14 / 08:30	9	inactive, slight
			07-Sep-89 15:54	14 / 11:30	9	hunched posture, slight
			07-Sep-89 16:02	14 / 14:05	9	normal/no significant signs
			07-Sep-89 16:06	15 / 06:56	9	hunched posture, slight
4	89F00369	F/ 1/3	11-Sep-89 08:34	1 / 08:45	9	apprehensive, moderate disoriented, slight startles, slight
			11-Sep-89 08:28	1 / 10:34	9	disoriented, slight aggressive, slight hunched posture, moderate
			11-Sep-89 09:05	1 / 14:07	9	disoriented, slight hunched posture, moderate inactive, slight
			11-Sep-89 09:14	2 / 08:18	9	hunched posture, slight inactive, slight apprehensive, slight startles, slight
			11-Sep-89 09:21	2 / 10:50	9	hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 8

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
4	89F00369	F/ 1/3	11-Sep-89 09:21	2 / 10:50	9	startles, slight increased respiration, slight
			11-Sep-89 09:33	2 / 14:09	9	hunched posture, slight
			11-Sep-89 09:42	3 / 07:08	9	apprehensive, slight increased respiration, slight
			11-Sep-89 09:49	3 / 11:00	9	increased water consumption, moderate
			11-Sep-89 09:53	3 / 14:30	9	increased water consumption, moderate
			11-Sep-89 09:59	4 / 08:26	9	apprehensive, moderate startles, slight hunched posture, slight inactive, slight increased respiration, slight
			11-Sep-89 10:12	4 / 11:14	9	apprehensive, slight startles, slight increased respiration, moderate
			11-Sep-89 10:18	4 / 14:51	9	normal/no significant signs
			11-Sep-89 10:23	5 / 08:34	9	normal/no significant signs
			11-Sep-89 10:31	5 / 10:10	9	normal/no significant signs
			11-Sep-89 10:36	5 / 16:04	9	normal/no significant signs
			11-Sep-89 10:43	6 / 07:20	9	aggressive, slight redness, slight, dewlap
			11-Sep-89 10:46	6 / 11:08	9	redness, slight, dewlap increased water consumption, slight
			11-Sep-89 10:54	6 / 14:14	9	hunched posture, slight inactive, slight
			11-Sep-89 11:03	7 / 07:55	9	abscess, severe, dewlap
			11-Sep-89 11:09	7 / 11:28	9	abscess, severe, dewlap apprehensive, slight hunched posture, slight inactive, slight
			11-Sep-89 11:16	7 / 16:20	9	abscess, severe, dewlap
			11-Sep-89 11:21	8 / 07:38	9	abscess, severe, dewlap hunched posture, moderate inactive, slight
			11-Sep-89 11:25	8 / 11:00	9	abscess, severe, dewlap

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010?
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
4	89F00369	F/ 1/3	11-Sep-89 11:25	8 / 11:00	9	hunched posture, moderate disoriented, slight
			11-Sep-89 11:49	8 / 14:18	9	abscess, severe, dewlap disoriented, slight
			11-Sep-89 12:03	9 / 08:05	9	abscess, severe, dewlap increased water consumption, moderate
			11-Sep-89 12:07	9 / 09:50	9	abscess, severe, dewlap increased water consumption, slight uncoordinated, slight startles, moderate
			11-Sep-89 12:13	9 / 14:06	9	abscess, severe, dewlap
			11-Sep-89 12:23	10 / 07:24	9	abscess, severe, dewlap hunched posture, moderate
			11-Sep-89 12:27	10 / 10:13	9	abscess, severe, dewlap hunched posture, moderate disoriented, slight
			11-Sep-89 12:34	10 / 14:42	9	abscess, moderate, dewlap
			11-Sep-89 12:46	11 / 07:20	9	abscess, moderate, dewlap hunched posture, moderate
			11-Sep-89 12:54	11 / 09:33	9	abscess, moderate, dewlap hunched posture, moderate inactive, moderate
			11-Sep-89 13:01	11 / 15:01	9	abscess, moderate, dewlap hunched posture, moderate inactive, moderate
			11-Sep-89 13:05	12 / 07:35	9	abscess, moderate, dewlap hunched posture, moderate inactive, moderate
			11-Sep-89 13:09	12 / 10:10	9	abscess, moderate, dewlap hunched posture, moderate
			11-Sep-89 13:15	12 / 14:44	9	abscess, moderate, dewlap hunched posture, slight
			11-Sep 89 13:26	13 / 07:40	9	abscess, moderate, dewlap startles
			11-Sep-89 13:30	13 / 09:25	9	abscess, moderate, dewlap

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
4	89F00369	F/ 1/3	11-Sep-89 13:30	13 / 09:25	9	hunched posture, moderate inactive, slight
			11-Sep-89 13:37	13 / 14:05	9	abscess, moderate, dewlap hunched posture, slight inactive, slight increased respiration, slight
			11-Sep-89 13:46	14 / 08:17	9	abscess, severe, dewlap hunched posture, moderate increased respiration, moderate
			11-Sep-89 13:55	14 / 09:47	9	abscess, severe, dewlap hunched posture, moderate
			11-Sep-89 14:03	14 / 14:12	9	abscess, severe, dewlap increased respiration, moderate aggressive, moderate
			11-Sep-89 14:10	15 / 07:26	9	abscess, severe, dewlap increased respiration, slight
5	89F00377	F/ 1/4	12-Sep-89 08:01	1 / 08:29	9	wide-legged stance, moderate
			12-Sep-89 08:03	1 / 11:10	9	hunched posture, slight
			12-Sep-89 08:14	1 / 14:23	9	wide-legged stance, moderate stained nares, slight
			12-Sep-89 08:19	2 / 08:01	9	wide-legged stance, moderate
			12-Sep-89 08:27	2 / 11:25	9	inactive, slight increased water consumption, moderate
			12-Sep-89 08:32	2 / 14:37	9	inactive, slight increased water consumption, moderate
			12-Sep-89 08:37	3 / 08:45	9	wide-legged stance, moderate disoriented, slight increased respiratory depth, slight tremors, slight
			12-Sep-89 08:51	3 / 11:36	9	disoriented, moderate increased respiratory depth, slight hunched posture, slight
			12-Sep-89 09:04	3 / 14:56	9	disoriented, slight inactive, slight
			12-Sep-89 09:19	4 / 08:45	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
5	89F00377	F/ 1/4	12-Sep-89 09:23	4 / 10:26	9	increased water consumption, slight
			12-Sep-89 09:28	4 / 16:11	9	inactive, moderate
			12-Sep-89 09:32	5 / 07:28	9	normal/no significant signs
			12-Sep-89 09:42	5 / 11:26	9	stained nares, slight increased water consumption, slight
			12-Sep-89 09:50	5 / 14:22	9	inactive, slight increased respiratory depth, slight
			12-Sep-89 09:58	6 / 08:08	9	inactive, slight hunched posture, slight loose stool, slight
			12-Sep-89 10:04	6 / 11:34	9	inactive, moderate hunched posture, moderate
			12-Sep-89 10:13	6 / 16:23	9	increased water consumption, severe increased respiration, moderate
			12-Sep-89 10:21	7 / 07:48	9	hunched posture, severe inactive, slight tremors, moderate uncoordinated, moderate
			12-Sep-89 10:31	7 / 11:16	9	hunched posture, moderate increased respiratory depth, slight loose stool, slight increased respiration, slight
			12-Sep-89 10:53	7 / 14:23	9	hunched posture, moderate increased respiration, slight inactive, moderate increased water consumption, moderate
			12-Sep-89 10:57	8 / 08:14	9	hunched posture, moderate increased respiration, slight inactive, moderate disoriented, slight
			12-Sep-89 11:02	8 / 10:10	9	hunched posture, moderate increased respiration, slight disoriented, moderate
			12-Sep-89 11:08	8 / 14:14	9	increased respiration, slight disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number /Subgroup	Sex/group	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
5	89F00377	F/ 1/4	12-Sep-89 11:08	8 / 14:14	9	inactive, slight
			12-Sep-89 11:14	9 / 07:31	9	disoriented, slight
			12-Sep-89 11:22	9 / 10:38	9	disoriented, moderate hunched posture, slight increased respiration, moderate uncoordinated, moderate
			12-Sep-89 11:28	9 / 14:48	9	increased water consumption, severe
			12-Sep-89 11:35	10 / 07:36	9	hunched posture, moderate increased respiration, moderate disoriented, moderate uncoordinated, moderate
			12-Sep-89 11:41	10 / 10:10	9	disoriented, moderate uncoordinated, moderate increased water consumption, slight inactive, slight
			12-Sep-89 11:47	10 / 15:07	9	normal/no significant signs
			12-Sep-89 11:51	11 / 07:47	9	inactive, slight hunched posture, moderate
			12-Sep-89 11:56	11 / 10:39	9	inactive, slight increased respiration, moderate disoriented, moderate uncoordinated, slight
			12-Sep-89 12:02	11 / 14:51	9	inactive, slight increased respiration, slight disoriented, slight
			12-Sep-89 12:09	12 / 07:52	9	disoriented, slight hunched posture, slight hyperactive, moderate
			12-Sep-89 12:13	12 / 11:00	9	disoriented, slight hunched posture, slight inactive, slight uncoordinated, slight
			12-Sep-89 12:22	12 / 14:12	9	disoriented, slight hunched posture, moderate inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
5	89F00377	F/ 1/4	12-Sep-89 12:27	13 / 08:30	9	disoriented, slight hunched posture, slight increased respiration, slight uncoordinated, moderate
			12-Sep-89 12:33	13 / 09:57	9	disoriented, moderate hunched posture, moderate increased respiration, moderate increased water consumption, moderate
			12-Sep-89 12:40	13 / 14:29	9	disoriented, moderate hunched posture, moderate inactive, slight uncoordinated, slight
			12-Sep-89 12:48	14 / 07:39	9	tremors, moderate uncoordinated, moderate
			12-Sep-89 12:54	14 / 09:02	9	hunched posture, moderate inactive, slight
			12-Sep-89 13:00	14 / 14:02	9	hunched posture, moderate inactive, moderate tremors, slight uncoordinated, slight
			12-Sep-89 13:06	15 / 07:27	9	hunched posture, slight inactive, slight tremors, slight uncoordinated, slight
6	89F00337	F/ 2/1	08-Aug-89 14:21	1 / 10:10	9	normal/no significant signs
			08-Aug-89 14:38	1 / 11:10	9	hunched posture, slight inactive, slight disoriented, moderate uncoordinated, moderate dilated pupils, moderate
			08-Aug-89 14:48	1 / 16:10	9	dilated pupils, slight increased respiration, slight
			08-Aug-89 14:57	2 / 07:55	9	normal/no significant signs
			08-Aug-89 15:05	2 / 09:00	9	inactive, slight disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
6	89F00337	F/ 2/1	08-Aug-89 15:05	2 / 09:00	9	uncoordinated, moderate dilated pupils, slight increased respiration, moderate
			08-Aug-89 15:16	2 / 14:00	9	disoriented, moderate uncoordinated, slight dilated pupils, slight nasal discharge, clear, moderate wide-legged stance, moderate
			08-Aug-89 15:28	3 / 07:02	9	dilated pupils, slight
			08-Aug-89 15:36	3 / 09:42	9	dilated pupils, moderate disoriented, moderate uncoordinated, slight increased respiration, moderate nasal discharge, clear, moderate wide-legged stance, moderate increased water consumption, slight
			10-Aug-89 08:34	3 / 15:15	9	increased water consumption, slight dilated pupils, slight increased respiration, slight
			10-Aug-89 09:38	4 / 07:20	9	increased water consumption, slight increased respiration, slight wide-legged stance, slight disoriented, slight
			10-Aug-89 09:50	4 / 10:30	9	increased respiration, moderate wide-legged stance, slight disoriented, slight inactive, slight
			10-Aug-89 09:57	4 / 14:30	9	increased respiration, moderate disoriented, slight
			10-Aug-89 10:05	5 / 08:00	9	normal/no significant signs
			10-Aug-89 10:09	5 / 10:59	9	disoriented, slight inactive, slight dilated pupils, slight
			10-Aug-89 10:14	5 / 16:54	9	disoriented, moderate
			10-Aug-89 13:02	6 / 08:15	9	normal/no significant signs
			10-Aug-89 13:05	6 / 10:30	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
6	89F00337	F/ 2/1	10-Aug-89 13:09	6 / 15:47	9	disoriented, slight
			10-Aug-89 13:14	7 / 08:24	9	disoriented, slight
			10-Aug-89 13:21	7 / 09:26	9	disoriented, moderate uncoordinated, moderate dilated pupils, slight nasal discharge, clear, slight wide-legged stance, moderate increased water consumption, slight
			10-Aug-89 13:41	7 / 14:34	9	disoriented, moderate dilated pupils, moderate
			10-Aug-89 14:08	8 / 08:07	9	disoriented, slight dilated pupils, moderate apprehensive, moderate
			10-Aug-89 14:13	8 / 09:32	9	disoriented, moderate dilated pupils, moderate inactive, slight
			10-Aug-89 14:19	8 / 14:00	9	disoriented, slight dilated pupils, moderate apprehensive, slight increased respiration, slight
			10-Aug-89 14:26	9 / 07:27	9	normal/no significant signs
			10-Aug-89 14:33	9 / 09:27	9	dilated pupils, slight disoriented, slight apprehensive, moderate hunched posture, moderate
			10-Aug-89 14:45	9 / 14:32	9	disoriented, slight apprehensive, moderate hunched posture, slight
			10-Aug-89 15:01	10 / 07:10	9	normal/no significant signs
			10-Aug-89 15:06	10 / 09:41	9	disoriented, slight
			10-Aug-89 15:12	10 / 14:07	9	increased respiration, slight
			10-Aug-89 15:17	11 / 07:30	9	normal/no significant signs
			10-Aug-89 15:22	11 / 09:11	9	disoriented, slight inactive, slight
			10-Aug-89 15:27	11 / 14:10	9	normal/no significant signs
			14-Aug-89 09:14	12 / 07:55	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comment
6	89F00337	F/ 2/1	14-Aug-89 09:18	12 / 09:10	9	apprehensive, slight increased respiration, slight
			14-Aug-89 09:25	12 / 15:36	9	normal/no significant signs
			14-Aug-89 09:28	13 / 06:13	9	normal/no significant signs
			14-Aug-89 09:33	13 / 09:35		apprehensive, slight inactive, moderate
			14-Aug-89 09:39	13 / 13:43	9	inactive, moderate
			14-Aug-89 09:44	14 / 08:00	9	normal/no significant signs
			14-Aug-89 09:55	14 / 10:00	9	disoriented, slight
			14-Aug-89 10:02	14 / 16:00	9	disoriented, slight increased water consumption, slight
			14-Aug-89 10:07	15 / 06:57	9	increased water consumption, slight
7	89F00391	F/ 2/2	14-Aug-89 10:16	1 / 09:40	9	normal/no significant signs
			14-Aug-89 10:42	1 / 11:02	9	normal/no significant signs
			14-Aug-89 10:47	1 / 14:16	9	normal/no significant signs
			23-Aug-89 14:25	2 / 08:13	9	diarrhea, slight dilated pupils, moderate disoriented, slight
			23-Aug-89 14:30	2 / 10:43	9	dilated pupils, slight disoriented, moderate uncoordinated, slight
			23-Aug-89 14:40	2 / 15:32	9	diarrhea, moderate increased water consumption, severe
			23-Aug-89 14:45	3 / 08:24	9	normal/no significant signs
			23-Aug-89 14:48	3 / 11:33	9	dilated pupils, moderate disoriented, moderate
			23-Aug-89 14:57	3 / 15:13	9	normal/no significant signs
			23-Aug-89 15:02	4 / 08:16	9	normal/no significant signs
			23-Aug-89 15:05	4 / 12:57	9	normal/no significant signs
			23-Aug-89 15:09	4 / 17:11	9	increased water consumption, moderate
			23-Aug-89 15:13	5 / 08:02	9	normal/no significant signs
			23-Aug-89 15:16	5 / 11:41	9	normal/no significant signs
			23-Aug-89 15:21	5 / 15:59	9	increased water consumption, moderate
			02-Oct-89 09:17	6 / 08:52	4	normal/no significant signs
			02-Oct-89 09:26	6 / 10:55	4	disoriented, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
7	89F00391	F/ 2/2	02-Oct-89 09:26	6 / 10:55	4	uncoordinated, slight
			02-Oct-89 09:39	6 / 14:58	4	disoriented, moderate uncoordinated, moderate hyperactive, slight
			07-Sep-89 13:03	7 / 08:36	9	disoriented, moderate uncoordinated, moderate wide-legged stance, moderate
			07-Sep-89 13:17	7 / 10:28	9	disoriented, moderate increased respiration, slight
			07-Sep-89 13:28	7 / 14:12	9	disoriented, moderate
			07-Sep-89 13:34	8 / 07:55	9	disoriented, slight
			07-Sep-89 13:41	8 / 10:30	9	disoriented, moderate increased respiration, slight
			07-Sep-89 13:50	8 / 14:53	9	disoriented, moderate hunched posture, moderate
			07-Sep-89 14:06	9 / 07:50	9	disoriented, moderate uncoordinated, moderate tremors, moderate
			07-Sep-89 14:21	9 / 10:38	9	normal/no significant signs
			07-Sep-89 14:26	9 / 14:24	9	increased water consumption, severe
			07-Sep-89 14:31	10 / 08:14	9	disoriented, moderate uncoordinated, moderate tremors, moderate
			07-Sep-89 14:40	10 / 10:56	9	increased water consumption, slight
			07-Sep-89 14:48	10 / 14:42	9	normal/no significant signs
			07-Sep-89 14:53	11 / 08:18	9	normal/no significant signs
			07-Sep-89 14:59	11 / 10:01	9	normal/no significant signs
			07-Sep-89 15:05	11 / 15:52	9	increased water consumption, slight
			07-Sep-89 15:19	12 / 06:34	9	normal/no significant signs
			07-Sep-89 15:23	12 / 10:53	9	normal/no significant signs
			07-Sep-89 15:28	12 / 14:04	9	normal/no significant signs
			07-Sep-89 15:34	13 / 08:21	9	normal/no significant signs
			07-Sep-89 15:38	13 / 11:10	9	normal/no significant signs
			07-Sep-89 15:45	13 / 16:14	9	increased water consumption, moderate
			07-Sep-89 15:51	14 / 08:45	9	increased water consumption, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
7	89F00391	F/ 2/2	07-Sep-89 15:51	14 / 08:45	9	disoriented, slight
			07-Sep-89 16:02	14 / 14:13	9	normal/no significant signs
			07-Sep-89 16:06	15 / 08:33	9	normal/no significant signs
8	89F00358	F/ 2/2	14-Aug-89 10:17	1 / 09:35	9	normal/no significant signs
			14-Aug-89 10:42	1 / 10:48	9	inactive, moderate increased respiratory depth, slight
			14-Aug-89 10:48	1 / 14:12	9	disoriented, slight
			23-Aug-89 14:26	2 / 08:11	9	inactive, slight
			23-Aug-89 14:31	2 / 10:33	9	disoriented, moderate increased water consumption, slight hunched posture, moderate tremors, moderate
			23-Aug-89 14:41	2 / 15:30	9	inactive, slight hunched posture, slight
			23-Aug-89 14:45	3 / 08:24	9	inactive, moderate hunched posture, slight
			23-Aug-89 14:49	3 / 11:25	9	disoriented, moderate hunched posture, moderate
			23-Aug-89 14:58	3 / 15:10	9	disoriented, moderate hunched posture, slight inactive, slight
			23-Aug-89 15:02	4 / 08:14	9	inactive, moderate
			23-Aug-89 15:06	4 / 12:43	9	inactive, slight increased water consumption, slight
			23-Aug-89 15:09	4 / 17:09	9	normal/no significant signs
			23-Aug-89 15:14	5 / 08:29	9	inactive, moderate
			23-Aug-89 15:17	5 / 11:27	9	inactive, slight increased water consumption, slight
			23-Aug-89 15:21	5 / 15:57	9	increased water consumption, slight
			02-Oct-89 09:18	6 / 08:47	4	disoriented, slight tremors, slight uncoordinated, moderate
			02-Oct-89 09:28	6 / 10:39	4	disoriented, slight inactive, moderate hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Date Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 19

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
8	89F00358	F/ 2/2	02-Oct-89 09:40	6 / 14:53	4	inactive, moderate hunched posture, moderate dilated pupils, moderate
			07-Sep-89 13:04	7 / 08:30	9	inactive, moderate hunched posture, moderate apprehensive, severe
			07-Sep-89 13:18	7 / 10:19	9	inactive, moderate hunched posture, moderate increased respiratory depth, slight disoriented, moderate
			07-Sep-89 13:29	7 / 14:13	9	hunched posture, moderate disoriented, slight dilated pupils, moderate
			07-Sep-89 13:35	8 / 07:52	9	hunched posture, moderate inactive, moderate
			07-Sep-89 13:43	8 / 10:25	9	hunched posture, moderate inactive, moderate disoriented, moderate depressed, moderate
			07-Sep-89 13:51	8 / 14:49	9	hunched posture, moderate inactive, moderate disoriented, slight depressed, slight
			07-Sep-89 14:16	9 / 07:47	9	inactive, moderate apprehensive, moderate
			07-Sep-89 14:21	9 / 10:35	9	inactive, moderate
			07-Sep-89 14:26	9 / 14:23	9	inactive, slight
			07-Sep-89 14:33	10 / 08:10	9	dilated pupils, slight disoriented, moderate hunched posture, slight inactive, moderate depressed, moderate apprehensive, slight tremors, moderate uncoordinated, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LEYTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 20

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
8	89F00358	F/ 2/2	07-Sep-89 14:33	10 / 08:10	9	orange colored urine, severe
			07-Sep-89 14:41	10 / 10:44	9	disoriented, slight hunched posture, slight inactive, moderate depressed, moderate orange colored urine, severe
			07-Sep-89 14:48	10 / 14:41	9	inactive, slight
			07-Sep-89 14:54	11 / 08:15	9	inactive, slight dilated pupils, slight orange colored urine, moderate uncoordinated, moderate
			07-Sep-89 15:01	11 / 09:55	9	inactive, moderate dilated pupils, slight disoriented, slight
			07-Sep-89 15:07	11 / 15:50	9	inactive, moderate dilated pupils, slight hunched posture, slight orange colored urine, slight apprehensive, slight
			07-Sep-89 15:19	12 / 06:32	9	inactive, moderate dilated pupils, slight hunched posture, moderate orange colored urine, slight apprehensive, slight
			07-Sep-89 15:23	12 / 10:46	9	inactive, moderate hunched posture, moderate orange colored urine, slight
			07-Sep-89 15:29	12 / 14:02	9	inactive, moderate hunched posture, moderate orange colored urine
			07-Sep-89 15:34	13 / 08:18	9	inactive, moderate hunched posture, moderate orange colored urine
			07-Sep-89 15:39	13 / 11:11	9	orange colored urine apprehensive

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
8	89F00358	F/ 2/2	07-Sep-89 15:46	13 / 16:12	9	orange colored urine apprehensive
			07-Sep-89 15:51	14 / 08:40	9	orange colored urine apprehensive hunched posture, moderate
			07-Sep-89 15:56	14 / 10:21	9	hunched posture, moderate inactive, moderate increased respiratory depth, slight
			07-Sep-89 16:02	14 / 14:09	9	hunched posture, slight
			07-Sep-89 16:06	15 / 08:12	9	normal/no significant signs
9	89F00371	F/ 2/3	11-Sep-89 08:35	1 / 08:45	9	normal/no significant signs
			11-Sep-89 08:29	1 / 10:42	9	disoriented, slight increased respiration, moderate
			11-Sep-89 09:06	1 / 14:08	9	disoriented, slight hunched posture, moderate
			11-Sep-89 09:14	2 / 08:21	9	normal/no significant signs
			11-Sep-89 09:21	2 / 11:01	9	increased respiration, slight disoriented, moderate hunched posture, moderate tremors, moderate
			11-Sep-89 09:33	2 / 14:11	9	increased respiration, slight disoriented, moderate hunched posture, slight tremors, slight
			11-Sep-89 09:42	3 / 07:14	9	normal/no significant signs
			11-Sep-89 09:49	3 / 11:14	9	normal/no significant signs
			11-Sep-89 09:53	3 / 14:31	9	increased water consumption, moderate
			11-Sep-89 10:00	4 / 08:35	9	disoriented, slight
			11-Sep-89 10:12	4 / 11:15	9	inactive, slight
			11-Sep-89 10:18	4 / 14:52	9	inactive, slight increased respiration, slight increased water consumption, slight
			11-Sep-89 10:23	5 / 08:36	9	normal/no significant signs
			11-Sep-89 10:31	5 / 10:10	9	increased water consumption, slight
			11-Sep-89 10:37	5 / 16:05	9	increased water consumption, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
9	89F00371	F/ 2/3	11-Sep-89 10:43	6 / 07:22	9	inactive, slight
			11-Sep-89 10:46	6 / 11:12	9	hunched posture, slight
			11-Sep-89 10:55	6 / 14:16	9	inactive, slight
			11-Sep-89 11:04	7 / 08:01	9	inactive, slight
			11-Sep-89 11:10	7 / 11:25	9	inactive, slight hunched posture, slight
			11-Sep-89 11:16	7 / 16:20	9	inactive, moderate hunched posture, moderate
			11-Sep-89 11:21	8 / 07:40	9	inactive, slight hunched posture, moderate
			11-Sep-89 11:25	8 / 11:00	9	hunched posture, moderate disoriented, moderate
			11-Sep-89 11:49	8 / 14:20	9	hunched posture, moderate inactive, slight
			11-Sep-89 12:03	9 / 08:08	9	inactive, slight
			11-Sep-89 12:07	9 / 09:55	9	inactive, moderate hunched posture, moderate disoriented, slight uncoordinated, moderate tremors, slight
			11-Sep-89 12:14	9 / 14:07	9	hunched posture, moderate uncoordinated, slight tremors, slight
			11-Sep-89 12:24	10 / 07:26	9	hunched posture, slight tremors, slight
			11-Sep-89 12:28	10 / 10:18	9	hunched posture, moderate tremors, slight disoriented, moderate uncoordinated, slight
			11-Sep-89 12:34	10 / 14:43	9	hunched posture, moderate
			11-Sep-89 12:47	11 / 07:22	9	hunched posture, slight inactive, slight disoriented, slight uncoordinated, slight tremors, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
9	89F00371	F/ 2/3	11-Sep-89 12:54	11 / 09:46	9	hunched posture, slight inactive, slight
			11-Sep-89 13:02	11 / 15:02	9	hunched posture, moderate inactive, moderate increased water consumption, slight
			11-Sep-89 13:06	12 / 07:37	9	hunched posture, moderate tremors, slight
			11-Sep-89 13:10	12 / 10:10	9	hunched posture, slight disoriented, slight uncoordinated, slight
			11-Sep-89 13:22	12 / 14:45	9	hunched posture, slight disoriented, slight uncoordinated, slight
			11-Sep-89 13:27	13 / 07:42	9	uncoordinated, moderate disoriented, slight tremors, moderate
			11-Sep-89 13:31	13 / 10:37	9	uncoordinated, slight disoriented, slight inactive, slight hunched posture, slight
			11-Sep-89 13:38	13 / 14:07	9	inactive, moderate hunched posture, severe lack of appetite, severe
			11-Sep-89 13:47	14 / 08:20	9	inactive, slight
			11-Sep-89 13:55	14 / 09:44	9	inactive, moderate hunched posture, moderate
			11-Sep-89 14:03	14 / 14:14	9	inactive, moderate hunched posture, moderate
			11-Sep-89 14:10	15 / 07:29	9	inactive, moderate hunched posture, moderate
10	89F00389	F/ 2/4	12-Sep-89 07:52	1 / 08:27	9	normal/no significant signs
			12-Sep-89 08:04	1 / 11:08	9	increased respiration, slight disoriented, slight
			12-Sep-89 08:14	1 / 14:20	9	normal/no significant signs
			12-Sep-89 08:19	2 / 08:06	9	normal/no significant signs
			12-Sep-89 08:27	2 / 11:24	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
10	89F00389	F/ 2/4	12-Sep-89 08:32	2 / 14:36	9	increased water consumption, severe
			12-Sep-89 08:37	3 / 08:55	9	normal/no significant signs
			12-Sep-89 08:51	3 / 11:37	9	increased respiration, slight disoriented, slight increased water consumption, slight hunched posture, slight
			12-Sep-89 09:04	3 / 14:55	9	increased respiration, slight increased water consumption, severe hunched posture, slight
			12-Sep-89 09:19	4 / 08:44	9	normal/no significant signs
			12-Sep-89 09:23	4 / 10:25	9	increased water consumption, moderate
			12-Sep-89 09:28	4 / 16:09	9	increased water consumption, moderate
			12-Sep-89 09:32	5 / 07:27	9	increased water consumption, moderate inactive, moderate
			12-Sep-89 09:42	5 / 11:23	9	increased water consumption, moderate inactive, moderate disoriented, slight
			12-Sep-89 09:50	5 / 14:21	9	increased water consumption, moderate inactive, moderate
			12-Sep-89 09:58	6 / 08:07	9	inactive, slight
			12-Sep-89 10:04	6 / 11:40	9	inactive, moderate increased water consumption, slight
			12-Sep-89 10:13	6 / 16:22	9	increased water consumption, severe inactive, moderate
			12-Sep-89 10:21	7 / 07:47	9	inactive, moderate
			12-Sep-89 10:32	7 / 11:12	9	inactive, slight increased respiration, slight hunched posture, slight
			12-Sep-89 10:53	7 / 14:22	9	normal/no significant signs
			12-Sep-89 10:57	8 / 08:13	9	increased respiratory depth, moderate increased respiration, slight disoriented, slight
			12-Sep-89 11:03	8 / 10:30	9	increased respiratory depth, moderate increased respiration, slight disoriented, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
10	89F00389	F/ 2/4	12-Sep-89 11:03	8 / 10:30	9	tremors, moderate inactive, moderate increased water consumption, moderate
			12-Sep-89 11:08	8 / 14:10	9	increased respiratory depth, moderate increased respiration, moderate inactive, moderate
			12-Sep-89 11:14	9 / 07:29	9	increased respiration, slight inactive, slight
			12-Sep-89 11:22	9 / 10:35	9	increased respiration, slight inactive, slight increased water consumption, moderate
			12-Sep-89 11:29	9 / 14:47	9	inactive, slight increased water consumption, severe
			12-Sep-89 11:35	10 / 07:32	9	inactive, slight increased water consumption, severe
			12-Sep-89 11:42	10 / 10:05	9	inactive, moderate increased water consumption, severe hunched posture, slight
			12-Sep-89 11:47	10 / 15:06	9	increased water consumption, severe
			12-Sep-89 11:51	11 / 07:42	9	inactive, slight
			12-Sep-89 11:57	11 / 10:39	9	inactive, slight increased respiratory depth, slight increased respiration, slight disoriented, slight increased water consumption, moderate
			12-Sep-89 12:02	11 / 14:48	9	inactive, slight increased respiratory depth, slight increased respiration, slight
			12-Sep-89 12:09	12 / 07:48	9	inactive, slight increased respiratory depth, slight
			12-Sep-89 12:13	12 / 10:51	9	disoriented, slight tremors, slight hunched posture, slight increased water consumption, moderate uncoordinated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
10	89F00389	F/ 2/4	12-Sep-89 12:24	12 / 14:10	9	inactive, moderate hunched posture, moderate
			12-Sep-89 12:27	13 / 08:29	9	inactive, moderate hunched posture, slight
			12-Sep-89 12:33	13 / 09:50	9	inactive, moderate hunched posture, moderate increased water consumption, moderate
			12-Sep-89 12:40	13 / 14:20	9	inactive, moderate hunched posture, moderate
			12-Sep-89 12:49	14 / 07:38	9	inactive, slight apprehensive, moderate
			12-Sep-89 12:54	14 / 08:55	9	inactive, slight hunched posture, moderate
			12-Sep-89 13:01	14 / 14:01	9	inactive, moderate hunched posture, moderate depressed, moderate
			12-Sep-89 13:07	15 / 07:21	9	inactive, moderate hunched posture, moderate depressed, moderate tremors, slight increased respiratory depth, moderate
11	89F00348	F/ 3/1	08-Aug-89 14:22	1 / 10:49	9	normal/no significant signs
			08-Aug-89 14:38	1 / 12:22	9	inactive, moderate hunched posture, slight disoriented, moderate
			08-Aug-89 14:50	1 / 16:22	9	inactive, moderate disoriented, slight increased respiration, slight
			08-Aug-89 14:58	2 / 08:38	9	disoriented, slight
			08-Aug-89 15:06	2 / 10:15	9	inactive, slight hunched posture, slight increased water consumption, moderate
			08-Aug-89 15:17	2 / 14:11	9	disoriented, slight
			08-Aug-89 15:28	3 / 07:59	9	inactive, slight
			08-Aug-89 15:36	3 / 10:13	9	inactive, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
11	89F00348	F/ 3/1	08-Aug-89 15:36	3 / 10:13	9	hunched posture, moderate increased water consumption, moderate
			10-Aug-89 08:35	3 / 15:23	9	increased water consumption, severe increased respiration, slight
			10-Aug-89 09:38	4 / 08:10	9	inactive, moderate
			10-Aug-89 09:50	4 / 11:00	9	disoriented, moderate
			10-Aug-89 09:57	4 / 14:37	9	disoriented, slight hunched posture, slight
			10-Aug-89 10:06	5 / 08:07	9	inactive, slight hunched posture, slight
			10-Aug-89 10:10	5 / 11:49	9	inactive, slight increased water consumption, severe increased respiration, slight
			10-Aug-89 10:14	5 / 17:02	9	increased water consumption, severe
			10-Aug-89 13:02	6 / 08:21	9	inactive, moderate
			10-Aug-89 13:06	6 / 11:02	9	increased water consumption, severe
			10-Aug-89 13:09	6 / 15:52	9	increased water consumption, severe
			10-Aug-89 13:14	7 / 08:36	9	inactive, slight
			10-Aug-89 13:21	7 / 10:17	9	inactive, slight hunched posture, moderate disoriented, moderate increased respiration, moderate
			10-Aug-89 13:42	7 / 14:44	9	wide-legged stance, slight disoriented, moderate
			10-Aug-89 14:08	8 / 08:20	9	wide-legged stance, slight disoriented, slight
			10-Aug-89 14:13	8 / 10:04	9	wide-legged stance, moderate disoriented, moderate
			10-Aug-89 14:20	8 / 14:05	9	wide-legged stance, moderate disoriented, moderate
			10-Aug-89 14:27	9 / 07:43	9	disoriented, moderate hunched posture, moderate
			10-Aug-89 14:33	9 / 10:07	9	disoriented, slight hunched posture, moderate wide-legged stance, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
11	89F00348	F/ 3/1	10-Aug-89 14:46	9 / 14:42	9	disoriented, moderate hunched posture, moderate wide-legged stance, moderate increased water consumption, moderate
			10-Aug-89 15:01	10 / 07:24	9	disoriented, moderate hunched posture, moderate wide-legged stance, moderate tremors, slight
			10-Aug-89 15:06	10 / 10:10	9	inactive, moderate increased water consumption, moderate
			10-Aug-89 15:12	10 / 14:19	9	increased water consumption, severe
			10-Aug-89 15:17	11 / 07:55	9	disoriented, slight hunched posture, slight inactive, slight
			10-Aug-89 15:23	11 / 10:20	9	disoriented, slight hunched posture, moderate increased water consumption, slight
			10-Aug-89 15:28	11 / 14:23	9	inactive, slight increased water consumption, severe
			14-Aug-89 09:14	12 / 08:07	9	inactive, slight disoriented, moderate
			14-Aug-89 09:19	12 / 09:34	9	hunched posture, slight inactive, moderate increased water consumption, severe
			14-Aug-89 09:25	12 / 15:43	9	increased water consumption, moderate
			14-Aug-89 09:29	13 / 06:22	9	inactive, slight
			14-Aug-89 09:34	13 / 10:08	9	increased water consumption, moderate
			14-Aug-89 09:39	13 / 13:54	9	increased water consumption, slight inactive, slight
			14-Aug-89 09:44	14 / 08:10	9	inactive, slight
			14-Aug-89 09:55	14 / 10:35	9	inactive, slight disoriented, slight tremors, slight
			14-Aug-89 10:03	14 / 16:06	9	increased water consumption, severe
			14-Aug-89 10:07	15 / 08:21	9	inactive, slight
12	89F00355	F/ 3/2	14-Aug-89 10:17	1 / 09:35	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
12	89F00355	F/ 3/2	14-Aug-89 10:43	1 / 10:42	9	increased water consumption, moderate
			14-Aug-89 10:48	1 / 14:10	9	increased water consumption, severe
			23-Aug-89 14:26	2 / 08:08	9	hunched posture, moderate
			23-Aug-89 14:31	2 / 10:26	9	hunched posture, slight increased water consumption, slight disoriented, moderate
			23-Aug-89 14:41	2 / 15:28	9	increased water consumption, moderate
			23-Aug-89 14:46	3 / 08:19	9	normal/no significant signs
			23-Aug-89 14:49	3 / 11:23	9	hunched posture, slight disoriented, moderate dilated pupils, moderate tremors, moderate
			23-Aug-89 14:58	3 / 14:47	9	hunched posture, slight disoriented, moderate dilated pupils, moderate tremors, moderate
			23-Aug-89 15:02	4 / 08:12	9	normal/no significant signs
			23-Aug-89 15:06	4 / 12:27	9	normal/no significant signs
			23-Aug-89 15:10	4 / 17:07	9	increased water consumption, severe
			23-Aug-89 15:14	5 / 08:26	9	inactive, moderate
			23-Aug-89 15:18	5 / 11:19	9	inactive, moderate lack of appetite, slight
			23-Aug-89 15:22	5 / 15:55	9	inactive, moderate
			02-Oct-89 09:19	6 / 08:45	4	dilated pupils, slight
			02-Oct-89 09:29	6 / 10:29	4	disoriented, moderate wide-legged stance, moderate
			02-Oct-89 09:40	6 / 14:49	4	disoriented, slight dilated pupils, moderate
			07-Sep-89 13:05	7 / 08:27	9	inactive, slight hunched posture, slight disoriented, slight wide-legged stance, slight
			07-Sep-89 13:18	7 / 10:17	9	hunched posture, slight disoriented, moderate
			07-Sep-89 13:29	7 / 14:11	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
12	89F00355	F/ 3/2	07-Sep-89 13:35	8 / 07:47	9	disoriented, slight
			07-Sep-89 13:43	8 / 10:20	9	disoriented, moderate hunched posture, slight
			07-Sep-89 13:51	8 / 14:46	9	disoriented, slight
			07-Sep-89 14:17	9 / 07:45	9	disoriented, slight tremors, slight
			07-Sep-89 14:22	9 / 10:27	9	increased water consumption, slight
			07-Sep-89 14:27	9 / 14:22	9	increased water consumption, severe inactive, slight
			07-Sep-89 14:34	10 / 08:04	9	disoriented, slight startles, slight
			07-Sep-89 14:42	10 / 10:44	9	disoriented, slight hunched posture, slight tremors, slight
			07-Sep-89 14:49	10 / 14:37	9	increased water consumption, moderate
			07-Sep-89 14:54	11 / 08:11	9	normal/no significant signs
			07-Sep-89 15:02	11 / 09:50	9	tremors, slight inactive, moderate
			07-Sep-89 15:07	11 / 15:47	9	increased water consumption, slight
			07-Sep-89 15:19	12 / 06:28	9	normal/no significant signs
			07-Sep-89 15:24	12 / 10:33	9	normal/no significant signs
			07-Sep-89 15:30	12 / 13:59	9	increased water consumption, moderate
			07-Sep-89 15:34	13 / 08:15	9	disoriented, slight
			07-Sep-89 15:39	13 / 10:54	9	disoriented, slight
			07-Sep-89 15:46	13 / 16:11	9	increased water consumption, severe
			07-Sep-89 15:51	14 / 08:35	9	dilated pupils, moderate hyperactive, slight
			07-Sep-89 15:56	14 / 10:13	9	hunched posture, slight disoriented, slight wide-legged stance, moderate
			07-Sep-89 16:02	14 / 14:07	9	increased water consumption, severe inactive, slight
			07-Sep-89 16:06	15 / 07:48	9	hunched posture, slight
13	89F00370	F/ 3/3	11-Sep-89 08:35	1 / 08:45	9	normal/no significant signs
			11-Sep-89 08:29	1 / 10:41	9	increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
13	89F00370	F/ 3/3	11-Sep-89 08:29	1 / 10:41	9	disoriented, moderate tremors, slight
			11-Sep-89 09:08	1 / 14:08	9	disoriented, slight aggressive, moderate
			11-Sep-89 09:15	2 / 08:20	9	normal/no significant signs
			11-Sep-89 09:22	2 / 11:00	9	increased respiration, moderate disoriented, slight hunched posture, slight
			11-Sep-89 09:34	2 / 14:10	9	normal/no significant signs
			11-Sep-89 09:42	3 / 07:13	9	normal/no significant signs
			11-Sep-89 09:50	3 / 11:05	9	normal/no significant signs
			11-Sep-89 09:54	3 / 14:31	9	increased water consumption, moderate
			11-Sep-89 10:00	4 / 08:34	9	normal/no significant signs
			11-Sep-89 10:13	4 / 12:09	9	disoriented, slight increased respiration, slight
			11-Sep-89 10:19	4 / 14:52	9	normal/no significant signs
			11-Sep-89 10:23	5 / 08:35	9	normal/no significant signs
			11-Sep-89 10:31	5 / 10:04	9	increased water consumption, slight
			11-Sep-89 10:37	5 / 16:04	9	increased water consumption, slight
			11-Sep-89 10:43	6 / 07:21	9	normal/no significant signs
			11-Sep-89 10:47	6 / 10:32	9	increased respiration, slight
			11-Sep-89 10:55	6 / 14:14	9	tremors, slight
			11-Sep-89 11:04	7 / 07:59	9	disoriented, slight
			11-Sep-89 11:10	7 / 11:40	9	disoriented, slight inactive, slight hunched posture, slight
			11-Sep-89 11:17	7 / 16:21	9	increased water consumption, moderate
			11-Sep-89 11:21	8 / 07:39	9	normal/no significant signs
			11-Sep-89 11:25	8 / 10:56	9	hunched posture, moderate
			11-Sep-89 11:50	8 / 14:18	9	increased water consumption, moderate
			11-Sep-89 12:03	9 / 08:07	9	increased water consumption, moderate
			11-Sep-89 12:08	9 / 10:24	9	hunched posture, moderate inactive, moderate disoriented, slight
			11-Sep-89 12:14	9 / 14:07	9	normal/no significant signs
			11-Sep-89 12:24	10 / 07:25	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 32

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
13	89F00370	F/ 3/3	11-Sep-89 12:28	10 / 10:17	9	hunched posture, moderate disoriented, slight
			11-Sep-89 12:35	10 / 14:43	9	increased water consumption, moderate
			11-Sep-89 12:47	11 / 07:21	9	hunched posture, slight dilated pupils, slight
			11-Sep-89 12:54	11 / 10:01	9	dilated pupils, slight increased water consumption, moderate
			11-Sep-89 13:02	11 / 15:01	9	increased water consumption, severe
			11-Sep-89 13:06	12 / 07:36	9	dilated pupils, slight
			11-Sep-89 13:10	12 / 10:00	9	dilated pupils, moderate hunched posture, slight
			11-Sep-89 13:22	12 / 14:44	9	dilated pupils, moderate hunched posture, slight
			11-Sep-89 13:27	13 / 07:41	9	dilated pupils, moderate
			11-Sep-89 13:31	13 / 09:37	9	dilated pupils, slight hunched posture, slight inactive, slight
			11-Sep-89 13:38	13 / 14:06	9	dilated pupils, slight hunched posture, slight inactive, slight
			11-Sep-89 13:47	14 / 08:18	9	increased respiration, slight
			11-Sep-89 13:56	14 / 10:00	9	increased water consumption, moderate
			11-Sep-89 14:04	14 / 14:14	9	increased respiration, slight aggressive, moderate
			11-Sep-89 14:10	15 / 07:27	9	normal/no significant signs
14	89F00368	F/ 3/3	11-Sep-89 08:35	1 / 08:43	9	normal/no significant signs
			11-Sep-89 08:30	1 / 10:37	9	increased respiration, slight inactive, slight hunched posture, slight
			11-Sep-89 09:08	1 / 14:07	9	normal/no significant signs
			11-Sep-89 09:16	2 / 08:16	9	inactive, slight
			11-Sep-89 09:24	2 / 10:49	9	increased respiration, slight hunched posture, moderate
			11-Sep-89 09:34	2 / 14:08	9	hunched posture, moderate inactive, slight
			11-Sep-89 09:43	3 / 07:07	9	normal/no significant signs
			11-Sep-89 09:50	3 / 11:01	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
14	89F00368	F/ 3/3	11-Sep-89 09:54	3 / 14:29	9	increased water consumption, moderate
			11-Sep-89 10:00	4 / 08:42	9	hunched posture, moderate apprehensive, moderate
			11-Sep-89 10:13	4 / 11:10	9	inactive, slight
			11-Sep-89 10:19	4 / 14:50	9	increased water consumption, moderate
			11-Sep-89 10:23	5 / 08:31	9	apprehensive, slight
			11-Sep-89 10:32	5 / 10:10	9	inactive, slight
			11-Sep-89 10:37	5 / 16:03	9	increased water consumption, slight apprehensive, moderate
			11-Sep-89 10:43	6 / 07:19	9	apprehensive, moderate
			11-Sep-89 10:47	6 / 11:09	9	apprehensive, slight
			11-Sep-89 10:56	6 / 14:13	9	apprehensive, slight
			11-Sep-89 11:04	7 / 07:54	9	apprehensive, slight
			11-Sep-89 11:10	7 / 11:23	9	apprehensive, slight inactive, slight disoriented, slight
			11-Sep-89 11:17	7 / 16:18	9	increased water consumption, severe
			11-Sep-89 11:22	8 / 07:37	9	increased water consumption, severe dilated pupils, moderate uncoordinated, slight tremors, slight
			11-Sep-89 11:26	8 / 10:55	9	dilated pupils, moderate tremors, slight increased respiration, slight disoriented, slight
			11-Sep-89 11:50	8 / 14:17	9	increased water consumption, severe
			11-Sep-89 12:03	9 / 08:04	9	increased water consumption, severe inactive, moderate
			11-Sep-89 12:08	9 / 09:50	9	increased water consumption, moderate inactive, slight
			11-Sep-89 12:14	9 / 14:05	9	dilated pupils, moderate disoriented, slight
			11-Sep-89 12:24	10 / 07:24	9	dilated pupils, moderate disoriented, slight hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
14	89F00368	F/ 3/3	11-Sep-89 12:29	10 / 10:04	9	disoriented, moderate hunched posture, slight increased water consumption, slight tremors, slight
			11-Sep-89 12:36	10 / 14:42	9	increased water consumption, severe
			11-Sep-89 12:48	11 / 07:18	9	disoriented, slight inactive, slight hunched posture, slight
			11-Sep-89 12:55	11 / 09:15	9	increased water consumption, slight
			11-Sep-89 13:03	11 / 15:00	9	increased water consumption, severe
			11-Sep-89 13:06	12 / 07:35	9	normal/no significant signs
			11-Sep-89 13:10	12 / 09:31	9	disoriented, slight hunched posture, slight
			11-Sep-89 13:22	12 / 14:43	9	disoriented, slight
			11-Sep-89 13:28	13 / 07:39	9	disoriented, slight dilated pupils, moderate tremors, moderate
			11-Sep-89 13:32	13 / 10:27	9	disoriented, slight dilated pupils, moderate hunched posture, slight
			11-Sep-89 13:39	13 / 14:05	9	dilated pupils, moderate hunched posture, slight
			11-Sep-89 13:47	14 / 08:16	9	hunched posture, moderate
			11-Sep-89 13:56	14 / 09:40	9	hunched posture, slight increased water consumption, slight
			11-Sep-89 14:04	14 / 14:12	9	hunched posture, moderate
			11-Sep-89 14:11	15 / 07:26	9	dilated pupils, moderate
15	89F00383	F/ 3/4	12-Sep-89 07:55	1 / 08:34	9	lacrimation, severe, right eye
			12-Sep-89 08:04	1 / 11:17	9	hunched posture, slight inactive, slight
			12-Sep-89 08:15	1 / 14:30	9	hunched posture, slight inactive, slight lacrimation, severe, right eye
			12-Sep-89 08:19	2 / 08:04	9	hunched posture, slight inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00383	F/ 3/4	12-Sep-89 08:27	2 / 11:40	9	hunched posture, slight inactive, slight
			12-Sep-89 08:32	2 / 14:40	9	hunched posture, slight inactive, slight
			12-Sep-89 08:38	3 / 08:51	9	hunched posture, slight inactive, slight
			12-Sep-89 08:52	3 / 11:55	9	hunched posture, slight inactive, moderate
			12-Sep-89 09:05	3 / 15:01	9	normal/no significant signs
			12-Sep-89 09:20	4 / 09:01	9	normal/no significant signs
			12-Sep-89 09:23	4 / 10:45	9	normal/no significant signs
			12-Sep-89 09:28	4 / 16:17	9	inactive, slight increased water consumption, slight
			12-Sep-89 09:32	5 / 07:32	9	inactive, slight increased water consumption, moderate
			12-Sep-89 09:43	5 / 11:40	9	inactive, moderate tremors, slight disoriented, slight
			12-Sep-89 09:51	5 / 14:27	9	inactive, moderate hunched posture, moderate apprehensive, slight
			12-Sep-89 09:58	6 / 08:18	9	inactive, slight hunched posture, moderate tremors, slight disoriented, slight
			12-Sep-89 10:05	6 / 11:45	9	inactive, slight hunched posture, moderate
			12-Sep-89 10:13	6 / 16:28	9	inactive, slight increased water consumption, moderate
			12-Sep-89 10:22	7 / 07:56	9	disoriented, slight
			12-Sep-89 10:32	7 / 11:26	9	hunched posture, moderate tremors, moderate
			12-Sep-89 10:54	7 / 14:30	9	inactive, slight
			12-Sep-89 10:58	8 / 08:20	9	apprehensive, moderate
			12-Sep-89 11:03	8 / 10:37	9	apprehensive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00383	F/ 3/4	12-Sep-89 11:03	8 / 10:37	9	tremors, moderate
			12-Sep-89 11:09	8 / 14:17	9	apprehensive, slight disoriented, slight
			12-Sep-89 11:15	9 / 07:37	9	apprehensive, slight disoriented, slight
			12-Sep-89 11:23	9 / 10:46	9	apprehensive, moderate disoriented, moderate tremors, moderate
			12-Sep-89 11:29	9 / 14:52	9	normal/no significant signs
			12-Sep-89 11:35	10 / 07:41	9	apprehensive, slight tremors, moderate disoriented, moderate inactive, slight hunched posture, slight
			12-Sep-89 11:42	10 / 10:38	9	hunched posture, moderate inactive, moderate
			12-Sep-89 11:47	10 / 15:09	9	increased water consumption, moderate
			12-Sep-89 11:52	11 / 07:51	9	tremors, slight
			12-Sep-89 11:57	11 / 11:19	9	tremors, slight apprehensive, moderate disoriented, slight hunched posture, slight
			12-Sep-89 12:03	11 / 14:55	9	tremors, moderate disoriented, slight
			12-Sep-89 12:10	12 / 07:56	9	inactive, slight hunched posture, slight
			12-Sep-89 12:13	12 / 11:30	9	inactive, slight hunched posture, slight
			12-Sep-89 12:24	12 / 14:15	9	inactive, slight hunched posture, slight
			12-Sep-89 12:28	13 / 08:35	9	apprehensive, slight
			12-Sep-89 12:34	13 / 10:05	9	normal/no significant signs
			12-Sep-89 12:41	13 / 14:25	9	apprehensive, slight hunched posture, slight
			12-Sep-89 12:49	14 / 07:47	9	apprehensive, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV SP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
15	89F00383	F/ 3/4	12-Sep-89 12:49	14 / 07:47	9	inactive, slight
			12-Sep-89 12:55	14 / 09:36	9	apprehensive, moderate tremors, moderate
			12-Sep-89 13:01	14 / 14:09	9	apprehensive, slight inactive, slight
			12-Sep-89 13:07	15 / 07:30	9	apprehensive, moderate inactive, slight
16	89F00345	F/ 4/1	08-Aug-89 14:22	1 / 10:46	9	normal/no significant signs
			08-Aug-89 14:40	1 / 12:06	9	disoriented, moderate apprehensive, moderate startles, slight increased respiratory depth, moderate hyperactive, moderate increased respiration, slight
			08-Aug-89 14:50	1 / 16:20	9	apprehensive, moderate hyperactive, severe dilated pupils, moderate
			08-Aug-89 14:58	2 / 08:30	9	hyperactive, slight dilated pupils, slight
			08-Aug-89 15:06	2 / 09:53	9	increased respiration, slight dilated pupils, slight
			08-Aug-89 15:18	2 / 14:08	9	disoriented, slight apprehensive, slight increased respiratory depth, slight hyperactive, slight
			08-Aug-89 15:29	3 / 07:51	9	dilated pupils, slight
			08-Aug-89 15:38	3 / 10:07	9	dilated pupils, moderate apprehensive, slight hyperactive, slight
			10-Aug-89 08:36	3 / 15:21	9	dilated pupils, moderate increased respiration, slight increased water consumption, moderate
			10-Aug-89 09:38	4 / 08:00	9	normal/no significant signs
			10-Aug-89 09:51	4 / 10:45	9	disoriented, moderate increased respiratory depth, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
16	89F00345	F/ 4/1	10-Aug-89 09:51	4 / 10:45	9	hyperactive, moderate increased respiration, moderate dilated pupils, moderate
			10-Aug-89 09:58	4 / 14:35	9	disoriented, slight increased respiration, slight dilated pupils, slight
			10-Aug-89 10:06	5 / 08:05	9	normal/no significant signs
			10-Aug-89 10:10	5 / 11:33	9	increased water consumption, severe
			10-Aug-89 10:14	5 / 16:57	9	increased water consumption, severe
			10-Aug-89 13:02	6 / 08:19	9	normal/no significant signs
			10-Aug-89 13:06	6 / 10:53	9	normal/no significant signs
			10-Aug-89 13:10	6 / 15:51	9	increased water consumption, severe
			10-Aug-89 13:15	7 / 08:34	9	increased water consumption, severe hyperactive, moderate
			10-Aug-89 13:22	7 / 10:10	9	disoriented, moderate apprehensive, slight startles, moderate
			10-Aug-89 13:42	7 / 14:42	9	dilated pupils, moderate apprehensive, slight increased respiratory depth, slight
			10-Aug-89 14:09	8 / 08:16	9	dilated pupils, slight apprehensive, moderate increased respiratory depth, slight disoriented, slight hyperactive, moderate
			10-Aug-89 14:14	8 / 09:59	9	dilated pupils, moderate increased respiratory depth, moderate disoriented, moderate hunched posture, slight
			10-Aug-89 14:21	8 / 14:03	9	dilated pupils, slight increased respiratory depth, slight disoriented, moderate hunched posture, moderate diarrhea, moderate
			10-Aug-89 14:27	9 / 07:38	9	disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
16	89F00345	F/ 4/1	10-Aug-89 14:27	9 / 07:38	9	hyperactive, moderate
			10-Aug-89 14:34	9 / 10:02	9	disoriented, moderate hunched posture, moderate tremors, moderate
			10-Aug-89 14:46	9 / 14:39	9	disoriented, severe hunched posture, moderate diarrhea, slight
			10-Aug-89 15:02	10 / 07:20	9	apprehensive, slight disoriented, slight wide-legged stance, moderate
			10-Aug-89 15:07	10 / 10:04	9	normal/no significant signs
			10-Aug-89 15:12	10 / 14:17	9	normal/no significant signs
			10-Aug-89 15:17	11 / 07:51	9	wide-legged stance, moderate
			10-Aug-89 15:23	11 / 10:06	9	disoriented, moderate tremors, slight wide-legged stance, moderate
			10-Aug-89 15:28	11 / 14:16	9	normal/no significant signs
			14-Aug-89 09:14	12 / 08:05	9	normal/no significant signs
			14-Aug-89 09:19	12 / 09:27	9	normal/no significant signs
			14-Aug-89 09:26	12 / 15:41	9	dilated pupils, slight
			14-Aug-89 09:29	13 / 06:20	9	hunched posture, slight
			14-Aug-89 09:34	13 / 10:01	9	apprehensive, slight increased respiration, slight
			14-Aug-89 09:40	13 / 13:53	9	tremors, slight uncoordinated, slight
			14-Aug-89 09:44	14 / 08:07	9	hunched posture, slight
			14-Aug-89 09:56	14 / 10:35	9	disoriented, slight tremors, slight increased water consumption, moderate wide-legged stance, slight
			14-Aug-89 10:03	14 / 16:05	9	increased water consumption, moderate
			14-Aug-89 10:08	15 / 07:50	9	increased water consumption, moderate wide-legged stance, slight increased respiration, slight hunched posture, slight
17	89F00354	F/ 4/2	14-Aug-89 10:17	1 / 09:30	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 40

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
17	89F00354	F/ 4/2	14-Aug-89 10:43	1 / 10:35	9	increased respiration, slight disoriented, slight
			14-Aug-89 10:49	1 / 14:09	9	increased respiration, slight disoriented, slight
			23-Aug-89 14:26	2 / 08:08	9	normal/no significant signs
			23-Aug-89 14:32	2 / 10:27	9	apprehensive, moderate
			23-Aug-89 14:41	2 / 15:27	9	normal/no significant signs
			23-Aug-89 14:46	3 / 08:18	9	disoriented, slight
			23-Aug-89 14:50	3 / 11:20	9	inactive, moderate increased respiration, moderate
			23-Aug-89 14:58	3 / 14:46	9	increased respiration, moderate disoriented, moderate
			23-Aug-89 15:02	4 / 08:10	9	increased respiration, slight
			23-Aug-89 15:06	4 / 12:23	9	inactive, slight
			23-Aug-89 15:10	4 / 17:07	9	inactive, slight disoriented, slight
			23-Aug-89 15:14	5 / 08:25	9	inactive, slight increased respiration, slight
			23-Aug-89 15:18	5 / 11:20	9	normal/no significant signs
			23-Aug-89 15:22	5 / 15:55	9	increased water consumption, slight
			02-Oct-89 09:20	6 / 08:44	4	disoriented, moderate
			02-Oct-89 09:29	6 / 10:25	4	disoriented, moderate inactive, moderate
			02-Oct-89 09:41	6 / 14:48	4	disoriented, moderate apprehensive, slight increased respiration, moderate
			07-Sep-89 13:06	7 / 08:25	9	disoriented, slight inactive, slight
			07-Sep-89 13:19	7 / 10:14	9	inactive, moderate increased respiration, moderate
			07-Sep-89 13:30	7 / 14:11	9	inactive, moderate
			07-Sep-89 13:37	8 / 07:46	9	increased respiration, moderate hyperactive, moderate uncoordinated, moderate tremors, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
17	89F00354	F/ 4/2	07-Sep-89 13:37	8 / 07:46	9	disoriented, slight
			07-Sep-89 13:44	8 / 10:20	9	increased respiration, moderate tremors, moderate disoriented, moderate inactive, slight
			07-Sep-89 13:51	8 / 14:46	9	disoriented, moderate inactive, moderate
			07-Sep-89 14:17	9 / 07:31	9	disoriented, slight inactive, slight
			07-Sep-89 14:22	9 / 10:20	9	increased water consumption, slight
			07-Sep-89 14:27	9 / 14:21	9	increased water consumption, moderate
			07-Sep-89 14:34	10 / 08:02	9	inactive, slight uncoordinated, slight tremors, slight disoriented, moderate
			07-Sep-89 14:43	10 / 10:40	9	inactive, moderate disoriented, moderate increased respiration, slight
			07-Sep-89 14:49	10 / 14:37	9	inactive, slight
			07-Sep-89 14:55	11 / 08:10	9	normal/no significant signs
			07-Sep-89 15:02	11 / 09:45	9	inactive, moderate
			07-Sep-89 15:08	11 / 15:47	9	increased respiration, slight
			07-Sep-89 15:20	12 / 06:28	9	normal/no significant signs
			07-Sep-89 15:24	12 / 10:32	9	increased respiration, slight
			07-Sep-89 15:30	12 / 13:59	9	increased respiration, slight inactive, moderate
			07-Sep-89 15:35	13 / 08:15	9	increased respiration, slight hyperactive, moderate
			07-Sep-89 15:40	13 / 10:52	9	hyperactive, moderate tremors, moderate disoriented, slight increased water consumption, slight
			07-Sep-89 15:47	13 / 16:11	9	hyperactive, slight
			07-Sep-89 15:52	14 / 08:32	9	hyperactive, slight
			07-Sep-89 15:57	14 / 10:10	9	inactive, slight
			07-Sep-89 16:03	14 / 14:06	9	normal/no significant signs
			07-Sep-89 16:06	15 / 07:38	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 42

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date Data was Entered	and Time Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
18	89F00374	F/ 4/3	11-Sep-89	08:35	1 / 08:48	9	normal/no significant signs
			11-Sep-89	08:31	1 / 10:47	9	apprehensive, slight increased respiration, slight
			11-Sep-89	09:08	1 / 14:11	9	apprehensive, slight
			11-Sep-89	09:16	2 / 08:22	9	normal/no significant signs
			11-Sep-89	09:24	2 / 10:58	9	increased respiration, moderate disoriented, moderate startles, moderate
			11-Sep-89	09:35	2 / 14:17	9	increased respiration, slight startles, moderate apprehensive, slight
			11-Sep-89	09:43	3 / 08:12	9	apprehensive, slight
			11-Sep-89	09:50	3 / 11:22	9	hunched posture, slight increased respiration, slight
			11-Sep-89	09:55	3 / 14:34	9	inactive, slight increased water consumption, moderate
			11-Sep-89	10:01	4 / 08:37	9	increased respiration, slight tremors, moderate uncoordinated, slight
			11-Sep-89	10:14	4 / 11:28	9	disoriented, moderate increased water consumption, moderate
			11-Sep-89	10:20	4 / 14:54	9	disoriented, slight increased water consumption, severe
			11-Sep-89	10:24	5 / 08:40	9	normal/no significant signs
			11-Sep-89	10:32	5 / 10:18	9	increased water consumption, slight
			11-Sep-89	10:38	5 / 16:08	9	increased water consumption, moderate
			11-Sep-89	10:43	6 / 07:25	9	normal/no significant signs
			11-Sep-89	10:47	6 / 11:18	9	inactive, moderate increased water consumption, moderate
			11-Sep-89	10:57	6 / 14:18	9	disoriented, slight inactive, moderate increased water consumption, slight
			11-Sep-89	11:04	7 / 08:05	9	disoriented, slight tremors, slight uncoordinated, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date Data was Entered	Time Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
18	89F00374	F/ 4/3	11-Sep-89	11:11	7 / 11:32	9	disoriented, slight tremors, slight uncoordinated, slight apprehensive, moderate
			11-Sep-89	11:18	7 / 16:21	9	increased water consumption, severe
			11-Sep-89	11:22	8 / 07:45	9	normal/no significant signs
			11-Sep-89	11:26	8 / 11:11	9	increased water consumption, moderate hunched posture, slight
			11-Sep-89	11:51	8 / 14:21	9	increased water consumption, severe hunched posture, slight
			11-Sep-89	12:04	9 / 08:11	9	increased water consumption, severe
			11-Sep-89	12:09	9 / 10:05	9	increased water consumption, moderate hunched posture, moderate depressed, slight tremors, slight
			11-Sep-89	12:15	9 / 14:09	9	normal/no significant signs
			11-Sep-89	12:25	10 / 07:27	9	hunched posture, slight hyperactive, slight
			11-Sep-89	12:29	10 / 10:28	9	hunched posture, slight hyperactive, slight disoriented, slight
			11-Sep-89	12:36	10 / 14:46	9	increased wate. consumption, severe
			11-Sep-89	12:48	11 / 07:27	9	hunched posture, slight disoriented, slight dilated pupils, moderate
			11-Sep-89	12:57	11 / 09:54	9	hunched posture, slight increased water consumption, moderate
			11-Sep-89	13:03	11 / 15:04	9	increased water consumption, severe
			11-Sep-89	13:07	12 / 07:40	9	disoriented, slight hyperactive, moderate
			11-Sep-89	13:11	12 / 10:25	9	disoriented, slight increased water consumption, severe dilated pupils, moderate
			11-Sep-89	13:23	12 / 14:47	9	dilated pupils, moderate
			11-Sep-89	13:28	13 / 07:46	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
18	89F00374	F/ 4/3	11-Sep-89 13:32	13 / 10:44	9	increased water consumption, moderate hunched posture, slight
			11-Sep-89 13:39	13 / 14:08	9	normal/no significant signs
			11-Sep-89 13:48	14 / 08:24	9	disoriented, slight tremors, slight
			11-Sep-89 13:57	14 / 09:50	9	inactive, moderate increased water consumption, moderate
			11-Sep-89 14:05	14 / 14:17	9	increased water consumption, moderate disoriented, slight apprehensive, slight
			11-Sep-89 14:11	15 / 07:32	9	apprehensive, slight hunched posture, moderate inactive, moderate
19	89F00387	F/ 4/4	12-Sep-89 07:55	1 / 08:41	9	normal/no significant signs
			12-Sep-89 08:05	1 / 11:30	9	disoriented, moderate
			12-Sep-89 08:15	1 / 14:22	9	disoriented, moderate increased respiratory depth, moderate tremors, moderate increased respiration, slight
			12-Sep-89 08:21	2 / 08:07	9	disoriented, slight tremors, moderate uncoordinated, slight
			12-Sep-89 08:28	2 / 11:51	9	increased water consumption, slight
			12-Sep-89 08:32	2 / 14:42	9	increased water consumption, moderate
			12-Sep-89 08:38	3 / 08:04	9	disoriented, slight tremors, moderate uncoordinated, slight
			12-Sep-89 08:52	3 / 12:05	9	disoriented, slight tremors, moderate increased respiratory depth, slight
			12-Sep-89 09:05	3 / 15:02	9	increased water consumption, severe
			12-Sep-89 09:20	4 / 09:05	9	normal/no significant signs
			12-Sep-89 09:23	4 / 10:45	9	increased respiratory depth, slight increased water consumption, moderate
			12-Sep-89 09:29	4 / 16:19	9	increased water consumption, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
19	89F00387	F/ 4/4	12-Sep-89 09:33	5 / 07:35	9	increased water consumption, moderate inactive, moderate
			12-Sep-89 09:44	5 / 11:51	9	increased water consumption, moderate inactive, slight uncoordinated, slight
			12-Sep-89 09:51	5 / 14:30	9	increased water consumption, moderate inactive, slight increased respiration, slight
			12-Sep-89 09:59	6 / 08:22	9	tremors, slight
			12-Sep-89 10:05	6 / 11:55	9	disoriented, moderate
			12-Sep-89 10:14	6 / 16:32	9	increased water consumption, severe
			12-Sep-89 10:22	7 / 07:54	9	normal/no significant signs
			12-Sep-89 10:33	7 / 11:31	9	disoriented, moderate uncoordinated, moderate stained nares, moderate
			12-Sep-89 10:54	7 / 14:33	9	increased water consumption, severe
			12-Sep-89 10:58	8 / 08:10	9	tremors, moderate uncoordinated, slight
			12-Sep-89 11:04	8 / 10:45	9	uncoordinated, moderate disoriented, slight
			12-Sep-89 11:10	8 / 14:13	9	disoriented, slight
			12-Sep-89 11:15	9 / 07:44	9	disoriented, slight
			12-Sep-89 11:23	9 / 10:55	9	disoriented, slight tremors, moderate uncoordinated, slight hunched posture, moderate increased respiration, slight
			12-Sep-89 11:31	9 / 14:54	9	increased respiration, moderate increased water consumption, severe inactive, moderate
			12-Sep-89 11:36	10 / 07:35	9	uncoordinated, slight hunched posture, moderate disoriented, slight
			12-Sep-89 11:44	10 / 10:50	9	hunched posture, slight increased water consumption, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
19	89F00387	F/ 4/4	12-Sep-89 11:48	10 / 15:11	9	increased water consumption, severe inactive, moderate
			12-Sep-89 11:53	11 / 07:43	9	tremors, moderate hunched posture, slight
			12-Sep-89 11:57	11 / 11:25	9	tremors, moderate hunched posture, slight increased water consumption, moderate
			12-Sep-89 12:04	11 / 14:49	9	tremors, slight disoriented, slight
			12-Sep-89 12:10	12 / 07:51	9	tremors, slight disoriented, slight
			12-Sep-89 12:14	12 / 11:44	9	tremors, slight uncoordinated, slight
			12-Sep-89 12:24	12 / 14:10	9	uncoordinated, slight
			12-Sep-89 12:28	13 / 09:00	9	tremors, slight disoriented, slight
			12-Sep-89 12:34	13 / 10:11	9	increased respiration, moderate inactive, slight
			12-Sep-89 12:41	13 / 14:29	9	uncoordinated, slight disoriented, moderate
			12-Sep-89 12:50	14 / 07:43	9	uncoordinated, slight disoriented, slight
			12-Sep-89 12:55	14 / 09:44	9	disoriented, severe hunched posture, moderate
			12-Sep-89 13:03	14 / 14:03	9	hunched posture, moderate tremors, moderate inactive, moderate lameness, moderate, right foreleg
			12-Sep-89 13:08	15 / 07:23	9	inactive, slight lameness, moderate, right foreleg
20	89F00380	F/ 4/4	12-Sep-89 07:56	1 / 08:32	9	normal/no significant signs
			12-Sep-89 08:05	1 / 11:15	9	aggressive, slight
			12-Sep-89 08:15	1 / 14:26	9	wide-legged stance, slight
			12-Sep-89 08:22	2 / 08:07	9	wide-legged stance, slight
			12-Sep-89 08:29	2 / 11:29	9	inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010f
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
28	89F00380	F/ 4/4	12-Sep-89 08:33	2 / 14:38	9	inactive, slight increased respiration, slight
			12-Sep-89 08:39	3 / 08:48	9	normal/no significant signs
			12-Sep-89 08:53	3 / 10:47	9	increased respiration, slight disoriented, slight
			12-Sep-89 09:05	3 / 14:59	9	increased respiration, slight inactive, slight
			12-Sep-89 09:20	4 / 08:58	9	normal/no significant signs
			12-Sep-89 09:24	4 / 10:30	9	inactive, moderate
			12-Sep-89 09:29	4 / 16:13	9	inactive, slight
			12-Sep-89 09:33	5 / 07:30	9	normal/no significant signs
			12-Sep-89 09:44	5 / 11:35	9	inactive, moderate increased respiration, slight increased water consumption, slight
			12-Sep-89 09:51	5 / 14:24	9	inactive, moderate increased respiration, slight
			12-Sep-89 09:59	6 / 08:13	9	increased respiration, slight
			12-Sep-89 10:06	6 / 11:45	9	wide-legged stance, slight inactive, slight disoriented, slight increased water consumption, slight
			12-Sep-89 10:14	6 / 16:26	9	increased respiration, moderate increased water consumption, moderate
			12-Sep-89 10:22	7 / 07:52	9	normal/no significant signs
			12-Sep-89 10:33	7 / 11:18	9	inactive, slight increased respiration, moderate
			12-Sep-89 10:54	7 / 14:27	9	inactive, slight increased respiration, slight
			12-Sep-89 10:58	8 / 08:14	9	disoriented, slight
			12-Sep-89 11:04	8 / 10:32	9	disoriented, slight hunched posture, moderate
			12-Sep-89 11:10	8 / 14:15	9	inactive, slight increased respiration, slight
			12-Sep-89 11:15	9 / 07:34	9	increased respiration, slight
			12-Sep-89 11:24	9 / 10:48	9	increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
20	89F00380	F/ 4/4	12-Sep-89 11:24	9 / 10:48	9	disoriented, moderate hunched posture, slight
			12-Sep-89 11:31	9 / 14:50	9	normal/no significant signs
			12-Sep-89 11:36	10 / 07:39	9	increased respiration, slight disoriented, slight increased respiratory depth, slight wide-legged stance, moderate
			12-Sep-89 11:44	10 / 10:20	9	normal/no significant signs
			12-Sep-89 11:48	10 / 15:08	9	normal/no significant signs
			12-Sep-89 11:53	11 / 07:48	9	normal/no significant signs
			12-Sep-89 11:58	11 / 11:07	9	inactive, slight hunched posture, moderate
			12-Sep-89 12:04	11 / 14:53	9	tremors, moderate
			12-Sep-89 12:10	12 / 07:54	9	normal/no significant signs
			12-Sep-89 12:14	12 / 11:06	9	increased respiration, slight
			12-Sep-89 12:24	12 / 14:13	9	normal/no significant signs
			12-Sep-89 12:28	13 / 08:33	9	inactive, slight hunched posture, moderate
			12-Sep-89 12:36	13 / 10:01	9	inactive, moderate hunched posture, moderate increased respiratory depth, moderate
			12-Sep-89 12:41	13 / 14:23	9	inactive, moderate hunched posture, moderate
			12-Sep-89 12:50	14 / 07:45	9	inactive, slight hunched posture, moderate increased respiration, moderate
			12-Sep-89 12:55	14 / 09:26	9	inactive, slight hunched posture, slight increased respiration, slight increased respiratory depth, slight
			12-Sep-89 13:03	14 / 14:07	9	inactive, slight hunched posture, slight increased respiration, slight
			12-Sep-89 13:08	15 / 07:29	9	inactive, slight increased respiration, slight
21	89F00341	F/ 5/1	08-Aug-89 14:22	1 / 10:45	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
21	89F00341	F/ 5/1	08-Aug-89 14:41	1 / 11:45	9	disoriented, moderate inactive, moderate increased respiration, moderate increased respiratory depth, moderate
			08-Aug-89 14:51	1 / 16:15	9	inactive, slight increased respiration, moderate increased respiratory depth, moderate
			08-Aug-89 14:59	2 / 08:30	9	increased respiration, moderate
			08-Aug-89 15:07	2 / 09:44	9	increased respiration, slight increased water consumption, slight
			08-Aug-89 15:18	2 / 14:04	9	increased respiration, slight increased water consumption, slight hunched posture, moderate
			08-Aug-89 15:29	3 / 07:42	9	increased respiration, slight inactive, slight
			08-Aug-89 15:40	3 / 10:02	9	increased water consumption, slight
			10-Aug-89 08:36	3 / 15:18	9	increased water consumption, slight
			10-Aug-89 09:38	4 / 07:54	9	increased respiratory depth, slight
			10-Aug-89 09:51	4 / 10:47	9	increased respiratory depth, moderate disoriented, moderate increased respiration, slight hunched posture, slight
			10-Aug-89 09:58	4 / 14:33	9	increased respiratory depth, slight disoriented, moderate hunched posture, slight
			10-Aug-89 10:06	5 / 08:04	9	inactive, slight
			10-Aug-89 10:10	5 / 11:18	9	inactive, slight disoriented, slight
			10-Aug-89 10:15	5 / 16:56	9	inactive, slight
			10-Aug-89 13:02	6 / 08:18	9	normal/no significant signs
			10-Aug-89 13:06	6 / 10:42	9	increased respiration, slight increased water consumption, slight
			10-Aug-89 13:10	6 / 15:49	9	increased water consumption, moderate
			10-Aug-89 13:15	7 / 08:30	9	increased water consumption, moderate disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 89010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 50

SUB-ACUTE/

Cage #	Animal Number	Sex/Group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Opsr #	Clinical signs / Comments
21	89F00341	F/ 5/1	10-Aug-89 13:26	7 / 09:56	9	increased water consumption, slight disoriented, moderate inactive, slight increased respiration, moderate increased respiratory depth, slight hunched posture, moderate
			10-Aug-89 13:43	7 / 14:33	9	chewing, moderate disoriented, severe increased respiration, slight
			10-Aug-89 14:09	8 / 08:13	9	disoriented, moderate uncoordinated, slight wide-legged stance, slight hyperactive, slight
			10-Aug-89 14:14	8 / 09:46	9	disoriented, moderate increased respiration, moderate hunched posture, slight
			10-Aug-89 14:21	8 / 14:02	9	disoriented, moderate increased respiration, moderate hunched posture, slight
			10-Aug-89 14:27	9 / 07:34	9	apprehensive, slight
			10-Aug-89 14:35	9 / 09:53	9	disoriented, moderate increased respiration, moderate hunched posture, slight
			10-Aug-89 14:47	9 / 14:36	9	disoriented, moderate dark material in nare, moderate
			10-Aug-89 15:02	10 / 07:15	9	disoriented, slight dark material in nare, moderate uncoordinated, slight tremors, moderate
			10-Aug-89 15:08	10 / 09:55	9	dark material in nare, moderate increased water consumption, slight
			10-Aug-89 15:13	10 / 14:09	9	dark material in nare, moderate increased water consumption, moderate
			10-Aug-89 15:18	11 / 07:48	9	hunched posture, slight
			10-Aug-89 15:23	11 / 09:46	9	disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
21	89F00341	F/ 5/1	10-Aug-89 15:23	11 / 09:46	9	increased respiration, slight tremors, slight increased water consumption, slight
			10-Aug-89 15:23	11 / 14:13	9	increased water consumption, severe
			14-Aug-89 09:15	12 / 08:00	9	disoriented, slight
			14-Aug-89 09:19	12 / 09:20	9	increased water consumption, slight increased respiration, slight
			14-Aug-89 09:26	12 / 15:38	9	increased water consumption, slight
			14-Aug-89 09:29	13 / 06:16	9	normal/no significant signs
			14-Aug-89 09:35	13 / 09:44	9	increased respiration, moderate hunched posture, slight
			14-Aug-89 09:40	13 / 13:46	9	increased water consumption, slight
			14-Aug-89 09:45	14 / 08:04	9	disoriented, slight pulled catheter
			14-Aug-89 09:57	14 / 10:55	9	pulled catheter hunched posture, slight increased respiration, slight
			14-Aug-89 10:03	14 / 16:02	9	increased water consumption, moderate
			14-Aug-89 10:08	15 / 07:34	9	normal/no significant signs
22	89F00347	F/ 5/1	08-Aug-89 14:23	1 / 10:49	9	normal/no significant signs
			08-Aug-89 14:41	1 / 12:16	9	hunched posture, moderate inactive, moderate
			08-Aug-89 14:53	1 / 16:22	9	hunched posture, slight inactive, moderate increased water consumption, moderate
			08-Aug-89 14:59	2 / 08:37	9	normal/no significant signs
			08-Aug-89 15:07	2 / 09:54	9	increased water consumption, moderate
			08-Aug-89 15:18	2 / 14:10	9	inactive, slight
			08-Aug-89 15:29	3 / 07:58	9	inactive, slight
			08-Aug-89 15:40	3 / 10:11	9	inactive, moderate hunched posture, slight increased water consumption, slight
			10-Aug-89 08:37	3 / 15:23	9	increased water consumption, moderate inactive, slight
			10-Au 9 09:39	4 / 08:09	9	hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
22	89F00347	F/ 5/1	10-Aug-89 09:39	4 / 08:09	9	inactive, moderate
			10-Aug-89 09:51	4 / 11:01	9	hunched posture, slight inactive, moderate
			10-Aug-89 09:59	4 / 14:36	9	normal/no significant signs
			10-Aug-89 10:06	5 / 08:06	9	normal/no significant signs
			10-Aug-89 10:10	5 / 11:45	9	normal/no significant signs
			10-Aug-89 10:15	5 / 14:58	9	normal/no significant signs
			10-Aug-89 13:03	6 / 08:21	9	inactive, slight
			10-Aug-89 13:07	6 / 10:56	9	increased water consumption, severe
			10-Aug-89 13:10	6 / 15:52	9	increased water consumption, severe
			10-Aug-89 13:16	7 / 08:35	9	hunched posture, slight inactive, slight
			10-Aug-89 13:26	7 / 10:12	9	hunched posture, slight inactive, slight disoriented, slight
			10-Aug-89 13:44	7 / 14:43	9	inactive, slight
			10-Aug-89 14:10	8 / 08:19	9	disoriented, slight hunched posture, slight apprehensive, slight
			10-Aug-89 14:15	8 / 10:00	9	disoriented, moderate hunched posture, moderate apprehensive, slight
			10-Aug-89 14:22	8 / 14:04	9	disoriented, moderate
			10-Aug-89 14:28	9 / 07:42	9	disoriented, slight
			10-Aug-89 14:35	9 / 10:06	9	disoriented, moderate hunched posture, slight
			10-Aug-89 14:47	9 / 14:41	9	disoriented, moderate
			10-Aug-89 15:02	10 / 07:23	9	disoriented, moderate
			10-Aug-89 15:08	10 / 10:05	9	increased water consumption, slight
			10-Aug-89 15:13	10 / 14:17	9	increased water consumption, moderate
			10-Aug-89 15:18	11 / 07:54	9	normal/no significant signs
			10-Aug-89 15:24	11 / 10:11	9	disoriented, slight
			10-Aug-89 15:28	11 / 14:17	9	normal/no significant signs
			14-Aug-89 09:15	12 / 08:06	9	normal/no significant signs
			14-Aug-89 09:19	12 / 09:32	9	increased water consumption, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
22	89F00347	F/ 5/1	14-Aug-89 09:26	12 / 15:42	9	increased water consumption, moderate
			14-Aug-89 09:29	13 / 06:22	9	apprehensive, slight
			14-Aug-89 09:35	13 / 10:10	9	increased respiration, slight
			14-Aug-89 09:40	13 / 13:54	9	normal/no significant signs
			14-Aug-89 09:45	14 / 08:10	9	apprehensive, slight
			14-Aug-89 09:58	14 / 10:31	9	disoriented, moderate
						tremors, slight
						uncoordinated, slight
						increased water consumption, slight
			14-Aug-89 10:03	14 / 16:06	9	increased water consumption, severe
			14-Aug-89 10:08	15 / 08:19	9	hunched posture, slight
						increased respiration, slight
23	89F00360	F/ 5/2	14-Aug-89 10:18	1 / 09:40	9	normal/no significant signs
			14-Aug-89 10:44	1 / 10:54	9	inactive, slight
						disoriented, moderate
						dilated pupils, moderate
						increased respiration, slight
			14-Aug-89 10:50	1 / 14:14	9	disoriented, moderate
						dilated pupils, slight
						increased respiration, slight
						increased water consumption, moderate
			23-Aug-89 14:26	2 / 08:12	9	normal/no significant signs
			23-Aug-89 14:33	2 / 10:34	9	inactive, slight
						disoriented, moderate
						uncoordinated, slight
			23-Aug-89 14:41	2 / 15:31	9	inactive, slight
			23-Aug-89 14:46	3 / 08:22	9	normal/no significant signs
			23-Aug-89 14:50	3 / 11:32	9	inactive, moderate
						disoriented, moderate
			23-Aug-89 14:59	3 / 15:12	9	inactive, slight
						increased water consumption, severe
			23-Aug-89 15:03	4 / 08:15	9	inactive, slight
						hunched posture, slight
			23-Aug-89 15:06	4 / 12:53	9	increased water consumption, severe
			23-Aug-89 15:10	4 / 17:10	9	increased water consumption, severe
			23-Aug-89 15:15	5 / 08:30	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
23	89F00360	F/ 5/2	23-Aug-89 15:13	5 / 11:38	9	inactive, slight increased water consumption, moderate
			23-Aug-89 15:22	5 / 15:57	9	inactive, moderate increased water consumption, moderate
			02-Oct-89 09:21	6 / 08:50	4	increased water consumption, slight dilated pupils, slight
			02-Oct-89 09:30	6 / 10:46	4	disoriented, slight uncoordinated, slight hyperactive, slight
			02-Oct-89 09:44	6 / 14:55	4	inactive, moderate hunched posture, moderate dilated pupils, moderate
			07-Sep-89 13:07	7 / 08:33	9	dilated pupils, moderate hyperactive, slight apprehensive, moderate
			07-Sep-89 13:20	7 / 10:25	9	dilated pupils, moderate disoriented, moderate uncoordinated, slight hunched posture, moderate
			07-Sep-89 13:30	7 / 14:15	9	dilated pupils, slight disoriented, slight
			07-Sep-89 13:37	8 / 07:54	9	dilated pupils, slight disoriented, slight
			07-Sep-89 13:44	8 / 10:30	9	dilated pupils, moderate disoriented, moderate
			07-Sep-89 13:52	8 / 14:51	9	dilated pupils, moderate disoriented, moderate hunched posture, moderate
			07-Sep-89 14:17	9 / 07:49	9	dilated pupils, moderate disoriented, slight
			07-Sep-89 14:23	9 / 10:37	9	increased water consumption, slight
			07-Sep-89 14:27	9 / 14:24	9	increased water consumption, moderate
			07-Sep-89 14:36	10 / 07:13	9	disoriented, slight tremors, slight uncoordinated, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
23	89F00360	F/ 5/2	07-Sep-89 14:43	10 / 10:55	9	increased water consumption, moderate
			07-Sep-89 14:49	10 / 14:42	9	increased water consumption, severe
			07-Sep-89 14:55	11 / 08:17	9	normal/no significant signs
			07-Sep-89 15:02	11 / 09:59	9	normal/no significant signs
			07-Sep-89 15:08	11 / 15:57	9	increased water consumption, moderate
			07-Sep-89 15:20	12 / 06:33	9	normal/no significant signs
			07-Sep-89 15:24	12 / 10:50	9	increased water consumption, moderate
			07-Sep-89 15:30	12 / 14:03	9	increased water consumption, moderate hunched posture, slight
			07-Sep-89 15:35	13 / 08:19	9	hunched posture, moderate disoriented, slight
			07-Sep-89 15:40	13 / 11:05	9	disoriented, slight increased water consumption, slight
			07-Sep-89 15:47	13 / 16:13	9	increased water consumption, severe
			07-Sep-89 15:52	14 / 08:43	9	normal/no significant signs
			07-Sep-89 15:57	14 / 10:25	9	wide-legged stance, moderate disoriented, moderate hunched posture, moderate
			07-Sep-89 16:03	14 / 14:11	9	hunched posture, slight increased water consumption, moderate
			07-Sep-89 16:07	15 / 08:26	9	hunched posture, slight increased respiration, slight
24	89F00375	F/ 5/3	11-Sep-89 08:08	1 / 08:50	9	hyperactive, severe
			11-Sep-89 08:32	1 / 10:45	9	increased respiration, moderate hunched posture, slight
			11-Sep-89 09:09	1 / 14:11	9	normal/no significant signs
			11-Sep-89 09:16	2 / 08:25	9	hyperactive, severe aggressive, moderate
			11-Sep-89 09:25	2 / 11:01	9	hyperactive, moderate aggressive, severe increased respiration, slight hunched posture, moderate increased respiratory depth, moderate
			11-Sep-89 09:36	2 / 14:18	9	hyperactive, moderate aggressive, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00375	F/ 5/3	11-Sep-89 09:36	2 / 14:18	9	increased respiration, slight hunched posture, slight
			11-Sep-89 09:43	3 / 08:14	9	hyperactive, moderate aggressive, severe
			11-Sep-89 09:51	3 / 11:21	9	hyperactive, moderate aggressive, moderate increased water consumption, moderate
			11-Sep-89 09:55	3 / 14:35	9	hyperactive, moderate aggressive, moderate increased water consumption, severe
			11-Sep-89 10:01	4 / 08:37	9	hyperactive, moderate aggressive, moderate hunched posture, slight
			11-Sep-89 10:14	4 / 11:32	9	hyperactive, moderate aggressive, moderate increased water consumption, severe
			11-Sep-89 10:20	4 / 14:54	9	increased water consumption, severe
			11-Sep-89 10:24	5 / 08:42	9	aggressive, severe
			11-Sep-89 10:33	5 / 10:20	9	increased water consumption, moderate aggressive, severe
			11-Sep-89 10:38	5 / 16:08	9	increased water consumption, slight aggressive, slight
			11-Sep-89 10:44	6 / 07:26	9	normal/no significant signs
			11-Sep-89 10:48	6 / 11:20	9	hyperactive, moderate aggressive, moderate increased respiratory depth, slight increased water consumption, slight
			11-Sep-89 10:57	6 / 14:19	9	hyperactive, moderate aggressive, severe increased respiratory depth, slight
			11-Sep-89 11:05	7 / 08:06	9	hyperactive, moderate aggressive, moderate increased respiratory depth, slight
			11-Sep-89 11:11	7 / 11:35	9	startles, moderate disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00375	F/ 5/3	11-Sep-89 11:18	7 / 16:22	9	increased water consumption, severe
			11-Sep-89 11:22	8 / 07:46	9	increased water consumption, severe increased respiration, slight
			11-Sep-89 11:27	8 / 11:10	9	increased respiration, moderate hunched posture, moderate inactive, slight
			11-Sep-89 11:52	8 / 14:22	9	hunched posture, moderate increased water consumption, moderate
			11-Sep-89 12:04	9 / 08:12	9	increased water consumption, moderate
			11-Sep-89 12:10	9 / 10:10	9	increased water consumption, moderate aggressive, moderate disoriented, slight uncoordinated, slight
			11-Sep-89 12:15	9 / 14:10	9	normal/no significant signs
			11-Sep-89 12:25	10 / 07:28	9	increased respiration, slight hunched posture, slight aggressive, moderate
			11-Sep-89 12:29	10 / 10:34	9	increased respiration, slight hunched posture, slight increased water consumption, moderate
			11-Sep-89 12:37	10 / 14:46	9	increased water consumption, severe
			11-Sep-89 12:48	11 / 07:28	9	inactive, slight
			11-Sep-89 12:57	11 / 10:02	9	increased water consumption, severe
			11-Sep-89 13:03	11 / 15:04	9	increased water consumption, severe
			11-Sep-89 13:07	12 / 07:41	9	increased respiration, moderate inactive, moderate
			11-Sep-89 13:12	12 / 10:25	9	inactive, slight hunched posture, moderate aggressive, moderate disoriented, slight uncoordinated, slight
			11-Sep-89 13:23	12 / 14:47	9	inactive, slight disoriented, slight uncoordinated, slight
			11-Sep-89 13:28	13 / 07:47	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Data was Entered	Time	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
24	89F00375	F/ 5/3	11-Sep-89	13:32	13 / 10:51	9	disoriented, slight uncoordinated, slight
			11-Sep-89	13:39	13 / 14:09	9	disoriented, slight uncoordinated, slight
			11-Sep-89	13:48	14 / 08:25	9	increased respiration, slight
			11-Sep-89	13:57	14 / 09:50	9	inactive, moderate increased water consumption, moderate
			11-Sep-89	14:05	14 / 14:18	9	inactive, moderate increased respiration, slight
			11-Sep-89	14:11	15 / 07:33	9	inactive, moderate increased respiration, slight hunched posture, slight
25	89F00394	F/ 5/4	12-Sep-89	07:56	1 / 08:41	9	normal/no significant signs
			12-Sep-89	08:05	1 / 11:35	9	disoriented, moderate increased respiration, slight
			12-Sep-89	08:16	1 / 14:32	9	increased respiration, slight loose stool, slight
			12-Sep-89	08:23	2 / 07:59	9	apprehensive, moderate
			12-Sep-89	08:29	2 / 11:50	9	apprehensive, slight increased water consumption, moderate
			12-Sep-89	08:33	2 / 14:43	9	increased water consumption, severe
			12-Sep-89	08:40	3 / 08:40	9	disoriented, slight apprehensive, slight tremors, moderate uncoordinated, slight
			12-Sep-89	08:54	3 / 11:59	9	disoriented, moderate tremors, slight increased respiration, moderate hunched posture, moderate
			12-Sep-89	09:06	3 / 15:04	9	tremors, moderate increased respiration, slight
			12-Sep-89	09:20	4 / 09:04	9	disoriented, slight
			12-Sep-89	09:24	4 / 10:48	9	apprehensive, slight increased water consumption, moderate inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
25	89F00394	F/ 5/4	12-Sep-89 09:29	4 / 16:18	9	increased water consumption, slight
			12-Sep-89 09:33	5 / 07:34	9	inactive, moderate hunched posture, slight
			12-Sep-89 09:46	5 / 11:48	9	increased respiration, slight increased water consumption, moderate tremors, slight uncoordinated, slight inactive, slight
			12-Sep-89 09:52	5 / 14:29	9	increased water consumption, slight hunched posture, moderate
			12-Sep-89 10:00	6 / 08:21	9	hunched posture, slight disoriented, slight tremors, slight
			12-Sep-89 10:06	6 / 11:54	9	disoriented, slight tremors, slight
			12-Sep-89 10:14	6 / 16:32	9	disoriented, slight increased water consumption, severe uncoordinated, slight
			12-Sep-89 10:24	7 / 08:03	9	disoriented, slight uncoordinated, moderate increased respiration, moderate tremors, moderate
			12-Sep-89 10:34	7 / 11:35	9	disoriented, moderate increased respiration, moderate tremors, moderate increased water consumption, moderate inactive, moderate
			12-Sep-89 10:55	7 / 14:32	9	increased water consumption, severe
			12-Sep-89 10:59	8 / 08:18	9	tremors, moderate disoriented, slight uncoordinated, slight
			12-Sep-89 11:05	8 / 10:48	9	tremors, slight disoriented, slight uncoordinated, moderate
			12-Sep-89 11:10	8 / 14:19	9	uncoordinated, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 60
SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
25	89F00394	F/ 5/4	12-Sep-89 11:15	9 / 07:43	9	tremors, slight disoriented, slight increased respiration, moderate increased respiratory depth, moderate
			12-Sep-89 11:25	9 / 11:07	9	tremors, moderate disoriented, slight increased water consumption, moderate
			12-Sep-89 11:32	9 / 14:53	9	increased water consumption, severe
			12-Sep-89 11:37	10 / 07:46	9	disoriented, slight
			12-Sep-89 11:45	10 / 10:18	9	increased water consumption, severe inactive, slight
			12-Sep-89 11:48	10 / 15:12	9	increased water consumption, severe
			12-Sep-89 11:53	11 / 07:56	9	normal/no significant signs
			12-Sep-89 11:58	11 / 11:42	9	increased water consumption, moderate tremors, slight disoriented, slight uncoordinated, slight
			12-Sep-89 12:04	11 / 14:57	9	normal/no significant signs
			12-Sep-89 12:10	12 / 07:59	9	normal/no significant signs
			12-Sep-89 12:14	12 / 09:53	9	inactive, slight apprehensive, moderate
			12-Sep-89 12:24	12 / 14:16	9	normal/no significant signs
			12-Sep-89 12:29	13 / 09:00	9	hunched posture, slight
			12-Sep-89 12:37	13 / 10:20	9	increased water consumption, moderate inactive, slight bruise, severe, left ear
			12-Sep-89 12:42	13 / 14:28	9	increased water consumption, moderate bruise, severe, left ear hunched posture, slight
			12-Sep-89 12:51	14 / 07:49	9	startles, moderate hyperactive, moderate
			12-Sep-89 12:56	14 / 10:41	9	hyperactive, slight hunched posture, moderate increased respiration, slight
			12-Sep-89 13:03	14 / 14:11	9	hyperactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
25	89F00394	F/ 5/4	12-Sep-89 13:03	14 / 14:1[illegible]	9	hunched posture, slight
			12-Sep-89 13:08	15 / 07:33	9	normal/no significant signs
26	89F00343	F/ 6/1	08-Aug-89 14:23	1 / 10:45	9	normal/no significant signs
			08-Aug-89 14:42	1 / 11:50	9	hunched posture, moderate apprehensive, moderate tremors, slight inactive, slight
			08-Aug-89 14:53	1 / 16:17	9	hunched posture, moderate
			08-Aug-89 14:59	2 / 08:30	9	normal/no significant signs
			08-Aug-89 15:07	2 / 09:46	9	hunched posture, slight increased water consumption, moderate
			08-Aug-89 15:19	2 / 14:05	9	apprehensive, slight inactive, slight startles, slight disoriented, slight
			08-Aug-89 15:30	3 / 07:43	9	apprehensive, slight tremors, slight
			08-Aug-89 15:41	3 / 10:08	9	increased water consumption, moderate
			10-Aug-89 08:37	3 / 15:19	9	increased water consumption, severe
			10-Aug-89 09:43	4 / 08:00	9	dark material in nare, slight
			10-Aug-89 09:52	4 / 10:47	9	hunched posture, moderate inactive, slight aggressive, slight dark material in nare, moderate
			10-Aug-89 10:00	4 / 14:34	9	apprehensive, slight disoriented, slight aggressive, slight dark material in nare, moderate
			10-Aug-89 10:07	5 / 08:04	9	normal/no significant signs
			10-Aug-89 10:11	5 / 11:22	9	increased water consumption, moderate
			10-Aug-89 10:15	5 / 16:56	9	increased water consumption, moderate
			10-Aug-89 13:03	6 / 08:18	9	normal/no significant signs
			10-Aug-89 13:07	6 / 10:45	9	inactive, slight increased water consumption, moderate
			10-Aug-89 13:11	6 / 15:52	9	increased water consumption, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
26	89F00343	F/ 6/1	10-Aug-89 13:16	7 / 08:31	9	inactive, slight
			10-Aug-89 13:27	7 / 10:02	9	hunched posture, slight increased water consumption, slight disoriented, slight
			10-Aug-89 14:02	7 / 14:39	9	dark material in nare, moderate disoriented, moderate
			10-Aug-89 14:10	8 / 08:15	9	dark material in nare, moderate disoriented, moderate
			10-Aug-89 14:15	8 / 09:51	9	dark material in nare, moderate disoriented, moderate
			10-Aug-89 14:22	8 / 14:02	9	dark material in nare, moderate
			10-Aug-89 14:28	9 / 07:36	9	dark material in nare, moderate disoriented, slight
			10-Aug-89 14:36	9 / 09:55	9	dark material in nare, moderate disoriented, moderate hunched posture, moderate
			10-Aug-89 14:48	9 / 14:37	9	dark material in nare, moderate aggressive, slight
			10-Aug-89 15:02	10 / 07:16	9	dark material in nare, moderate aggressive, slight disoriented, slight
			10-Aug-89 15:08	10 / 09:57	9	dark material in nare, moderate increased water consumption, slight
			10-Aug-89 15:13	10 / 14:09	9	dark material in nare, moderate increased water consumption, severe
			10-Aug-89 15:18	11 / 07:49	9	dark material in nare, moderate wide-legged stance, moderate
			10-Aug-89 15:24	11 / 09:55	9	disoriented, slight increased water consumption, moderate wide-legged stance, moderate
			10-Aug-89 15:29	11 / 14:14	9	increased water consumption, severe
			14-Aug-89 09:15	12 / 08:01	9	normal/no significant signs
			14-Aug-89 09:21	12 / 09:22	9	increased water consumption, moderate dark green pigment in nares, severe
			14-Aug-89 09:26	12 / 15:39	9	increased water consumption, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
26	89F00343	F/ 6/1	14-Aug-89 09:26	12 / 15:39	9	dark green pigment in nares, moderate
			14-Aug-89 09:30	13 / 06:16	9	dark material in nare, slight dark green pigment in nares, slight
			14-Aug-89 09:35	13 / 09:54	9	dark green pigment in nares, slight increased water consumption, moderate
			14-Aug-89 09:41	13 / 13:46	9	dark material in nare, slight increased water consumption, slight
			14-Aug-89 09:46	14 / 08:05	9	dark material in nare, moderate disoriented, slight
			14-Aug-89 09:59	14 / 10:20	9	inactive, slight
			14-Aug-89 10:04	14 / 16:03	9	increased water consumption, severe dark green pigment in nares, moderate
			14-Aug-89 10:08	15 / 07:30	9	inactive, slight
27	89F00357	F/ 6/2	14-Aug-89 10:18	1 / 09:35	9	normal/no significant signs
			14-Aug-89 10:45	1 / 10:40	9	disoriented, moderate inactive, slight increased water consumption, moderate
			14-Aug-89 10:50	1 / 14:11	9	increased water consumption, severe
			23-Aug-89 14:27	2 / 08:10	9	disoriented, slight aggressive, slight
			23-Aug-89 14:33	2 / 10:34	9	disoriented, moderate inactive, slight increased water consumption, slight tremors, moderate
			23-Aug-89 14:42	2 / 15:29	9	increased water consumption, severe aggressive, slight
			23-Aug-89 14:46	3 / 08:20	9	normal/no significant signs
			23-Aug-89 14:51	3 / 11:25	9	disoriented, moderate aggressive, moderate
			23-Aug-89 14:59	3 / 15:08	9	increased water consumption, moderate
			23-Aug-89 15:03	4 / 08:14	9	normal/no significant signs
			23-Aug-89 15:07	4 / 12:39	9	dilated pupils, slight
			23-Aug-89 15:10	4 / 17:09	9	normal/no significant signs
			23-Aug-89 15:15	5 / 08:29	9	normal/no significant signs
			23-Aug-89 15:18	5 / 11:27	9	increased water consumption, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 64

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
27	89F00357	F/ 6/2	23-Aug-89 15:23	5 / 15:56	9	increased water consumption, moderate
			02-Oct-89 09:21	6 / 07:46	4	disoriented, slight
						inactive, slight
			02-Oct-89 09:31	6 / 10:35	4	disoriented, slight
						tremors, moderate
						increased water consumption, slight
						dilated pupils, moderate
			02-Oct-89 09:44	6 / 14:52	4	disoriented, slight
						aggressive, moderate
						dilated pupils, slight
			07-Sep-89 13:07	7 / 08:29	9	aggressive, slight
			07-Sep-89 13:21	7 / 10:19	9	aggressive, slight
						disoriented, slight
						hunched posture, slight
						increased respiratory depth, slight
			07-Sep-89 13:31	7 / 14:12	9	aggressive, slight
			07-Sep-89 13:38	8 / 07:51	9	aggressive, slight
						disoriented, slight
			07-Sep-89 13:45	8 / 10:23	9	aggressive, moderate
						disoriented, moderate
			07-Sep-89 13:52	8 / 14:49	9	aggressive, slight
			07-Sep-89 14:18	9 / 07:46	9	disoriented, slight
			07-Sep-89 14:23	9 / 10:29	9	increased water consumption, moderate
			07-Sep-89 14:27	9 / 14:23	9	increased water consumption, severe
			07-Sep-89 14:36	10 / 08:09	9	tremors, slight
			07-Sep-89 14:44	10 / 10:50	9	increased water consumption, moderate
			07-Sep-89 14:50	10 / 14:39	9	increased water consumption, severe
			07-Sep-89 14:56	11 / 08:15	9	normal/no significant signs
			07-Sep-89 15:02	11 / 09:52	9	increased water consumption, slight
			07-Sep-89 15:08	11 / 15:49	9	increased water consumption, severe
			07-Sep-89 15:20	12 / 06:30	9	normal/no significant signs
			07-Sep-89 15:24	12 / 10:42	9	increased water consumption, severe
			07-Sep-89 15:31	12 / 14:01	9	increased water consumption, moderate
			07-Sep-89 15:35	13 / 08:17	9	normal/no significant signs
			07-Sep-89 15:41	13 / 11:04	9	disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
27	89F00357	F/ 6/2	07-Sep-89 15:41	13 / 11:04	9	tremors, moderate hunched posture, moderate inactive, moderate
			07-Sep-89 15:47	13 / 16:11	9	increased water consumption, severe
			07-Sep-89 15:52	14 / 08:37	9	normal/no significant signs
			07-Sep-89 15:58	14 / 10:20	9	increased respiratory depth, slight hunched posture, slight aggressive, slight
			07-Sep-89 16:04	14 / 14:09	9	increased water consumption, moderate
			07-Sep-89 16:07	15 / 08:05	9	normal/no significant signs
28	89F00362	F/ 6/2	14-Aug-89 10:18	1 / 09:40	9	normal/no significant signs
			14-Aug-89 10:45	1 / 11:11	9	disoriented, slight wide-legged stance, slight uncoordinated, slight
			14-Aug-89 10:52	1 / 14:15	9	increased water consumption, moderate increased respiration, slight
			23-Aug-89 14:27	2 / 08:13	9	disoriented, slight
			23-Aug-89 14:34	2 / 10:45	9	disoriented, moderate wide-legged stance, slight uncoordinated, slight increased water consumption, slight
			23-Aug-89 14:43	2 / 15:33	9	increased water consumption, severe
			23-Aug-89 14:46	3 / 08:23	9	normal/no significant signs
			23-Aug-89 14:52	3 / 11:31	9	disoriented, slight inactive, slight urinating blood, severe hunched posture, moderate
			23-Aug-89 15:00	3 / 15:12	9	urinating blood, severe increased water consumption, moderate
			23-Aug-89 15:03	4 / 08:16	9	normal/no significant signs
			23-Aug-89 15:07	4 / 13:02	9	increased water consumption, moderate
			23-Aug-89 15:11	4 / 17:10	9	increased water consumption, severe
			23-Aug-89 15:15	5 / 08:34	9	normal/no significant signs
			23-Aug-89 15:19	5 / 11:38	9	normal/no significant signs
			23-Aug-89 15:23	5 / 15:58	9	increased water consumption, moderate
			02-Oct-89 09:22	6 / 08:53	4	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
28	89F00362	F/ 6/2	02-Oct-89 09:32	6 / 11:00	4	hunched posture, moderate
			02-Oct-89 09:45	6 / 14:56	4	disoriented, moderate hunched posture, slight increased water consumption, slight
			07-Sep-89 13:08	7 / 08:37	9	increased water consumption, slight inactive, slight
			07-Sep-89 13:21	7 / 10:27	9	disoriented, moderate hunched posture, moderate tremors, slight
			07-Sep-89 13:31	7 / 14:11	9	inactive, slight
			07-Sep-89 13:38	8 / 07:56	9	hyperactive, slight
			07-Sep-89 13:45	8 / 10:31	9	hyperactive, slight disoriented, moderate
			07-Sep-89 13:53	8 / 14:52	9	hyperactive, moderate disoriented, moderate hunched posture, slight
			07-Sep-89 [illegible]	9 / 07:50	9	disoriented, slight hunched posture, slight
			07-Sep-89 14:[illegible]	[illegible]	9	increased water consumption, moderate
			07-Sep-89 14:28	9 / 14:25	9	increased water consumption, severe
			07-Sep-89 14:37	10 / 08:15	9	hyperactive, slight disoriented, slight hunched posture, slight wide-legged stance, slight
			07-Sep-89 14:44	10 / 11:00	9	increased water consumption, slight
			07-Sep-89 14:50	10 / 14:42	9	increased water consumption, moderate
			07-Sep-89 14:56	11 / 08:20	9	normal/no significant signs
			07-Sep-89 15:03	11 / 10:01	9	increased water consumption, slight
			07-Sep-89 15:09	11 / 15:53	9	increased water consumption, moderate
			07-Sep-89 15:20	12 / 06:35	9	normal/no significant signs
			07-Sep-89 15:25	12 / 10:59	9	increased water consumption, slight
			07-Sep-89 15:31	12 / 02:00	9	increased water consumption, moderate
			07-Sep-89 15:36	13 / 08:20	9	normal/no significant signs
			07-Sep-89 15:41	13 / 11:13	9	disoriented, slight
			07-Sep-89 15:48	13 / 16:13	9	increased water consumption, severe
			07-Sep-89 15:52	14 / 08:44	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
28	89F00362	F/ 6/2	07-Sep-89 15:58	14 / 10:28	9	hunched posture, slight disoriented, slight tremors, moderate
			07-Sep-89 16:04	14 / 14:12	9	wide-legged stance, moderate increased water consumption, severe
			07-Sep-89 16:08	15 / 08:36	9	increased water consumption, moderate hunched posture, slight
29	89F00363	F/ 6/3	11-Sep-89 08:09	1 / 08:40	9	apprehensive, slight
			11-Sep-89 08:21	1 / 10:30	9	aggressive, slight hunched posture, slight disoriented, slight
			11-Sep-89 09:09	1 / 14:01	9	aggressive, slight hunched posture, slight
			11-Sep-89 09:17	2 / 08:11	9	hunched posture, slight apprehensive, slight increased respiration, moderate
			11-Sep-89 09:27	2 / 09:45	9	dead
30	89F00379	F/ 6/4	12-Sep-89 07:57	1 / 08:30	9	normal/no significant signs
			12-Sep-89 08:06	1 / 11:10	9	hunched posture, moderate rasping, moderate
			12-Sep-89 08:16	1 / 14:25	9	aggressive, moderate increased respiration, moderate
			12-Sep-89 08:23	2 / 08:02	9	aggressive, moderate dilated pupils, moderate
			12-Sep-89 08:29	2 / 11:30	9	aggressive, moderate dilated pupils, moderate increased water consumption, moderate
			12-Sep-89 08:33	2 / 14:38	9	increased water consumption, severe
			12-Sep-89 08:41	3 / 08:46	9	aggressive, moderate dilated pupils, moderate
			12-Sep-89 08:55	3 / 11:43	9	aggressive, moderate dilated pupils, moderate hunched posture, slight increased respiration, slight
			12-Sep-89 09:07	3 / 14:58	9	increased respiration, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 68

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
30	89F00379	F/ 6/4	12-Sep-89 09:07	3 / 14:58	9	increased water consumption, moderate
			12-Sep-89 09:20	4 / 08:50	9	aggressive, severe
			12-Sep-89 09:24	4 / 10:26	9	aggressive, severe increased water consumption, moderate
			12-Sep-89 09:30	4 / 16:12	9	increased water consumption, slight dilated pupils, slight
			12-Sep-89 09:34	5 / 07:29	9	increased water consumption, moderate aggressive, moderate
			12-Sep-89 09:47	5 / 11:30	9	increased water consumption, moderate aggressive, severe tremors, slight
			12-Sep-89 09:52	5 / 14:24	9	increased respiration, slight
			12-Sep-89 10:00	6 / 08:11	9	increased respiration, slight dilated pupils, slight tremors, moderate
			12-Sep-89 10:06	6 / 11:40	9	increased respiration, slight dilated pupils, moderate
			12-Sep-89 10:15	6 / 16:27	9	dilated pupils, slight
			12-Sep-89 10:25	7 / 07:51	9	dilated pupils, moderate aggressive, moderate
			12-Sep-89 10:35	7 / 11:17	9	aggressive, moderate increased respiration, slight loose stool, moderate
			12-Sep-89 10:55	7 / 14:26	9	normal/no significant signs
			12-Sep-89 10:59	8 / 08:21	9	normal/no significant signs
			12-Sep-89 11:05	8 / 10:28	9	dilated pupils, moderate tremors, moderate disoriented, slight uncoordinated, moderate hunched posture, moderate increased water consumption, moderate
			12-Sep-89 11:11	8 / 14:15	9	dilated pupils, moderate tremors, slight increased respiration, moderate
			12-Sep-89 11:16	9 / 07:32	9	hunched posture, slight

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
30	89F00379	F/ 6/4	12-Sep-89 11:16	9 / 07:32	9	loose stool, moderate aggressive, moderate
			12-Sep-89 11:26	9 / 11:00	9	hunched posture, moderate aggressive, severe dilated pupils, moderate tremors, moderate disoriented, slight
			12-Sep-89 11:32	9 / 14:49	9	hunched posture, moderate dilated pupils, moderate increased water consumption, moderate
			12-Sep-89 11:37	10 / 07:37	9	dilated pupils, moderate increased water consumption, moderate increased respiration, slight
			12-Sep-89 11:45	10 / 10:20	9	increased water consumption, moderate
			12-Sep-89 11:49	10 / 15:07	9	increased water consumption, severe
			12-Sep-89 11:53	11 / 07:47	9	normal/no significant signs
			12-Sep-89 11:58	11 / 10:55	9	dilated pupils, moderate hunched posture, moderate
			12-Sep-89 12:05	11 / 14:52	9	dilated pupils, moderate
			12-Sep-89 12:11	12 / 07:53	9	dilated pupils, slight hunched posture, slight
			12-Sep-89 12:15	12 / 11:06	9	tremors, slight increased respiratory depth, moderate
			12-Sep-89 12:25	12 / 14:13	9	dilated pupils, moderate
			12-Sep-89 12:30	13 / 08:32	9	dilated pupils, moderate disoriented, slight increased respiration, slight lack of appetite, severe mucus in stool, severe
			12-Sep-89 12:38	13 / 10:00	9	dilated pupils, moderate lack of appetite, severe mucus in stool, severe increased water consumption, moderate
			12-Sep-89 12:42	13 / 14:22	9	dilated pupils, moderate lack of appetite, severe

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
30	89F00379	F/ 6/4	12-Sep-89 12:42	13 / 14:22	9	mucus in stool, severe increased water consumption, slight uncoordinated, slight
			12-Sep-89 12:51	14 / 07:44	9	lack of appetite, severe mucus in stool, severe hunched posture, slight sore, moderate, neck
			12-Sep-89 12:57	14 / 09:15	9	lack of appetite, severe mucus in stool, severe hunched posture, moderate sore, moderate, neck dilated pupils, moderate disoriented, moderate
			12-Sep-89 13:03	14 / 14:06	9	lack of appetite, severe mucus in stool, severe sore, moderate, neck dilated pupils, moderate disoriented, moderate
			12-Sep-89 13:08	15 / 07:28	9	sore, moderate, neck dilated pupils, moderate
31	89F00344	F/ 7/1	08-Aug-89 14:24	1 / 10:46	9	normal/no significant signs
			08-Aug-89 14:43	1 / 11:55	9	apprehensive, moderate disoriented, moderate inactive, slight
			08-Aug-89 14:54	1 / 16:20	9	inactive, slight
			08-Aug-89 14:59	2 / 08:28	9	normal/no significant signs
			08-Aug-89 15:11	2 / 10:10	9	increased respiration, slight lacrimation, slight
			08-Aug-89 15:20	2 / 14:07	9	disoriented, slight inactive, slight hunched posture, slight lacrimation, slight
			08-Aug-89 15:30	3 / 07:44	9	inactive, slight
			08-Aug-89 15:41	3 / 10:03	9	disoriented, slight hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 71

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
31	89F00344	F/ 7/1	08-Aug-89 15:41	3 / 10:03	9	lacrimation, slight
			10-Aug-89 09:34	3 / 15:20	9	disoriented, moderate nasal stain, slight
			10-Aug-89 09:44	4 / 08:00	9	nasal stain, slight increased respiration, slight inactive, moderate
			10-Aug-89 09:53	4 / 10:55	9	apprehensive, slight inactive, slight hunched posture, moderate
			10-Aug-89 10:01	4 / 14:34	9	inactive, moderate increased respiration, moderate nasal stain, moderate
			10-Aug-89 10:07	5 / 08:04	9	normal/no significant signs
			10-Aug-89 10:11	5 / 11:27	9	disoriented, slight inactive, slight
			10-Aug-89 10:16	5 / 16:56	9	inactive, slight increased water consumption, severe
			10-Aug-89 13:03	6 / 08:19	9	inactive, slight
			10-Aug-89 13:07	6 / 10:48	9	inactive, slight increased respiration, slight disoriented, slight
			10-Aug-89 13:11	6 / 15:50	9	inactive, slight disoriented, slight increased water consumption, moderate
			10-Aug-89 13:17	7 / 08:31	9	apprehensive, slight nasal stain, slight
			10-Aug-89 13:28	7 / 10:02	9	disoriented, slight inactive, slight increased respiration, moderate
			10-Aug-89 14:03	7 / 14:40	9	disoriented, slight inactive, slight dark material in nare, moderate
			10-Aug-89 14:10	8 / 08:16	9	disoriented, slight inactive, slight dark material in nare, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 72

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
31	89F00344	F/ 7/1	10-Aug-89 14:10	8 / 08:16	9	hunched posture, slight
			10-Aug-89 14:15	8 / 09:48	9	disoriented, moderate dark material in nare, moderate tremors, moderate
			10-Aug-89 14:22	8 / 14:03	9	disoriented, slight dark material in nare, moderate inactive, slight
			10-Aug-89 14:29	9 / 07:37	9	disoriented, slight dark material in nare, moderate
			10-Aug-89 14:36	9 / 09:59	9	disoriented, slight dark material in nare, moderate
			10-Aug-89 14:48	9 / 14:38	9	disoriented, slight dark material in nare, moderate hunched posture, moderate
			10-Aug-89 15:03	10 / 07:18	9	disoriented, slight dark material in nare, moderate
			10-Aug-89 15:09	10 / 09:58	9	disoriented, slight dark material in nare, moderate
			10-Aug-89 15:13	10 / 14:16	9	disoriented, slight dark material in nare, moderate
			10-Aug-89 15:18	11 / 07:51	9	disoriented, slight
			10-Aug-89 15:25	11 / 10:05	9	disoriented, moderate hunched posture, moderate tremors, moderate increased respiration, moderate increased respiratory depth, moderate
			10-Aug-89 15:29	11 / 14:14	9	disoriented, moderate hunched posture, slight
			14-Aug-89 09:15	12 / 08:04	9	disoriented, slight
			14-Aug-89 09:21	12 / 09:27	9	increased respiration, moderate increased respiratory depth, slight
			14-Aug-89 09:27	12 / 15:40	9	disoriented, slight
			14-Aug-89 09:30	13 / 06:19	9	normal/no significant signs
			14-Aug-89 09:36	13 / 09:55	9	inactive, slight disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
31	89F00344	F/ 7/1	14-Aug-89 09:36	13 / 09:55	9	increased respiration, moderate
			14-Aug-89 09:41	13 / 13:52	9	inactive, slight hunched posture, slight
			14-Aug-89 09:47	14 / 08:06	9	hunched posture, slight increased respiratory depth, slight
			14-Aug-89 09:59	14 / 09:19	9	hunched posture, slight inactive, slight
			14-Aug-89 10:05	14 / 16:04	9	increased water consumption, moderate disoriented, slight
			14-Aug-89 10:09	15 / 07:46	9	hunched posture, slight inactive, slight increased respiration, slight
32	89F00353	F/ 7/2	14-Aug-89 10:18	1 / 09:30	9	normal/no significant signs
			14-Aug-89 10:45	1 / 10:31	9	inactive, slight disoriented, moderate
			14-Aug-89 10:53	1 / 14:07	9	inactive, slight disoriented, moderate apprehensive, slight increased respiration, moderate
			23-Aug-89 14:27	2 / 08:07	9	normal/no significant signs
			23-Aug-89 14:35	2 / 10:24	9	inactive, moderate apprehensive, moderate increased respiration, moderate
			23-Aug-89 14:43	2 / 15:26	9	inactive, slight
			23-Aug-89 14:47	3 / 08:17	9	inactive, moderate disoriented, slight
			23-Aug-89 14:53	3 / 11:16	9	inactive, moderate disoriented, slight increased respiration, slight
			23-Aug-89 15:00	3 / 14:46	9	inactive, moderate disoriented, slight
			23-Aug-89 15:03	4 / 08:09	9	inactive, slight disoriented, slight
			23-Aug-89 15:08	4 / 12:19	9	disoriented, moderate
			23-Aug-89 15:11	4 / 17:06	9	increased respiration, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
32	89F00353	F/ 7/2	23-Aug-89 15:15	5 / 08:24	9	disoriented, slight
			23-Aug-89 15:19	5 / 11:14	9	inactive, slight
			23-Aug-89 15:23	5 / 15:55	9	increased respiration, slight
			02-Oct-89 09:23	6 / 08:43	4	inactive, slight apprehensive, moderate
			02-Oct-89 09:33	6 / 10:23	4	inactive, moderate apprehensive, moderate
			02-Oct-89 09:45	6 / 14:48	4	inactive, moderate
			07-Sep-89 13:08	7 / 08:25	9	inactive, moderate
			07-Sep-89 13:22	7 / 10:14	9	inactive, moderate disoriented, slight increased respiration, moderate
			07-Sep-89 13:31	7 / 14:10	9	inactive, moderate
			07-Sep-89 13:39	8 / 07:11	9	inactive, moderate
			07-Sep-89 13:46	8 / 10:15	9	apprehensive, slight
			07-Sep-89 13:53	8 / 14:45	9	apprehensive, slight hunched posture, slight
			07-Sep-89 14:19	9 / 07:30	9	disoriented, slight
			07-Sep-89 14:24	9 / 10:20	9	disoriented, slight inactive, slight
			07-Sep-89 14:28	9 / 14:21	9	inactive, slight
			07-Sep-89 14:37	10 / 08:01	9	inactive, slight apprehensive, moderate
			07-Sep-89 14:45	10 / 10:37	9	inactive, moderate apprehensive, moderate disoriented, slight
			07-Sep-89 14:51	10 / 14:26	9	inactive, slight hunched posture, moderate increased respiration, slight
			07-Sep-89 14:56	11 / 08:10	9	normal/no significant signs
			07-Sep-89 15:03	11 / 09:50	9	inactive, moderate increased respiration, slight
			07-Sep-89 15:09	11 / 15:46	9	inactive, moderate
			07-Sep-89 15:21	12 / 06:27	9	increased respiratory depth, moderate
			07-Sep-89 15:25	12 / 10:27	9	inactive, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
32	89F00353	F/ 7/2	07-Sep-89 15:25	12 / 10:27	9	increased respiration, slight
			07-Sep-89 15:32	12 / 13:58	9	inactive, slight increased respiration, slight
			07-Sep-89 15:36	13 / 08:15	9	inactive, slight
			07-Sep-89 15:42	13 / 10:49	9	inactive, moderate apprehensive, moderate increased respiration, slight
			07-Sep-89 15:48	13 / 16:10	9	normal/no significant signs
			07-Sep-89 15:53	14 / 08:31	9	apprehensive, moderate
			07-Sep-89 15:59	14 / 10:06	9	inactive, slight increased respiration, slight
			07-Sep-89 16:04	14 / 14:06	9	normal/no significant signs
			07-Sep-89 16:08	15 / 07:30	9	normal/no significant signs
33	89F00372	F/ 7/3	11-Sep-89 08:09	1 / 08:46	9	normal/no significant signs
			11-Sep-89 08:22	1 / 10:45	9	tremors, moderate hunched posture, slight increased respiration, slight increased respiratory depth, moderate disoriented, slight inactive, moderate
			11-Sep-89 09:09	1 / 14:09	9	hunched posture, slight inactive, moderate
			11-Sep-89 09:17	2 / 08:22	9	hunched posture, moderate inactive, moderate
			11-Sep-89 09:28	2 / 11:05	9	hunched posture, moderate inactive, moderate increased respiration, slight increased respiratory depth, slight disoriented, slight
			11-Sep-89 09:37	2 / 14:14	9	hunched posture, slight inactive, moderate increased respiration, slight increased respiratory depth, moderate
			11-Sep-89 09:44	3 / 08:10	9	hunched posture, slight inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 76

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
33	89F00372	F/ 7/3	11-Sep-89 09:44	3 / 08:10	9	increased respiration, slight
			11-Sep-89 09:51	3 / 11:15	9	inactive, moderate
			11-Sep-89 09:55	3 / 14:32	9	inactive, slight
			11-Sep-89 10:02	4 / 08:36	9	inactive, moderate hunched posture, moderate increased respiration, slight
			11-Sep-89 10:14	4 / 11:22	9	inactive, moderate hunched posture, moderate disoriented, slight
			11-Sep-89 10:20	4 / 14:53	9	normal/no significant signs
			11-Sep-89 10:24	5 / 08:38	9	normal/no significant signs
			11-Sep-89 10:34	5 / 10:12	9	inactive, slight
			11-Sep-89 10:38	5 / 16:06	9	apprehensive, slight
			11-Sep-89 10:44	6 / 07:23	9	apprehensive, slight
			11-Sep-89 10:48	6 / 11:14	9	increased respiration, slight increased respiratory depth, slight inactive, moderate
			11-Sep-89 10:57	6 / 14:16	9	inactive, slight apprehensive, slight
			11-Sep-89 11:05	7 / 08:02	9	hunched posture, slight increased respiratory depth, slight disoriented, slight
			11-Sep-89 11:11	7 / 11:32	9	hunched posture, slight increased respiratory depth, slight disoriented, slight
			11-Sep-89 11:18	7 / 16:20	9	normal/no significant signs
			11-Sep-89 11:23	8 / 07:41	9	increased respiration, slight hunched posture, slight
			11-Sep-89 11:28	8 / 11:04	9	hunched posture, moderate increased respiratory depth, slight inactive, slight disoriented, moderate
			11-Sep-89 11:52	8 / 14:20	9	normal/no significant signs
			11-Sep-89 12:04	9 / 08:09	9	normal/no significant signs
			11-Sep-89 12:10	9 / 10:03	9	hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
33	89F00372	F/ 7/3	11-Sep-89 12:10	9 / 10:03	9	increased respiratory depth, moderate inactive, moderate
			11-Sep-89 12:15	9 / 14:08	9	normal/no significant signs
			11-Sep-89 12:25	10 / 07:27	9	normal/no significant signs
			11-Sep-89 12:31	10 / 10:21	9	increased respiration, slight hunched posture, slight sore, moderate, neck
			11-Sep-89 12:37	10 / 14:44	9	normal/no significant signs
			11-Sep-89 12:50	11 / 07:24	9	collar caught in mouth
			11-Sep-89 12:58	11 / 09:55	9	increased respiration, slight inactive, slight
			11-Sep-89 13:03	11 / 15:03	9	increased respiration, moderate
			11-Sep-89 13:07	12 / 07:38	9	increased respiration, slight inactive, slight
			11-Sep-89 13:12	12 / 10:18	9	inactive, moderate hunched posture, moderate
			11-Sep-89 13:23	12 / 14:45	9	inactive, slight hunched posture, slight
			11-Sep-89 13:28	13 / 07:44	9	inactive, slight
			11-Sep-89 13:32	13 / 10:37	9	inactive, slight disoriented, slight
			11-Sep-89 13:39	13 / 14:07	9	inactive, slight hunched posture, slight increased respiratory depth, moderate
			11-Sep-89 13:51	14 / 08:22	9	inactive, moderate collar caught in mouth sore, severe, mouth bloody nares, severe
			11-Sep-89 13:58	14 / 09:45	9	inactive, moderate sore, severe, mouth
			11-Sep-89 14:05	14 / 14:16	9	sore, severe, mouth hunched posture, slight tremors, moderate
			11-Sep-89 14:12	15 / 07:30	9	sore, severe, mouth hunched posture, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 78

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
33	89F00372	F/ 7/3	11-Sep-89 14:12	15 / 07:30	9	tremors, slight inactive, slight
34	89F00366	F/ 7/3	11-Sep-89 08:10	1 / 08:43	9	normal/no significant signs
			11-Sep-89 08:22	1 / 10:34	9	increased respiration, slight
			11-Sep-89 09:10	1 / 14:04	9	inactive, slight
			11-Sep-89 09:17	2 / 08:15	9	inactive, slight apprehensive, moderate
			11-Sep-89 09:29	2 / 10:45	9	inactive, slight increased respiration, slight
			11-Sep-89 09:37	2 / 14:05	9	normal/no significant signs
			11-Sep-89 09:44	3 / 06:59	9	inactive, slight
			11-Sep-89 09:51	3 / 10:53	9	normal/no significant signs
			11-Sep-89 09:56	3 / 14:29	9	normal/no significant signs
			11-Sep-89 10:02	4 / 08:25	9	normal/no significant signs
			11-Sep-89 10:15	4 / 11:02	9	normal/no significant signs
			11-Sep-89 10:20	4 / 14:49	9	normal/no significant signs
			11-Sep-89 10:24	5 / 08:28	9	normal/no significant signs
			11-Sep-89 10:34	5 / 10:05	9	normal/no significant signs
			11-Sep-89 10:39	5 / 16:02	9	normal/no significant signs
			11-Sep-89 10:44	6 / 07:18	9	normal/no significant signs
			11-Sep-89 10:49	6 / 11:04	9	increased respiration, slight inactive, slight
			11-Sep-89 10:58	6 / 14:12	9	normal/no significant signs
			11-Sep-89 11:06	7 / 07:52	9	inactive, slight
			11-Sep-89 11:12	7 / 11:24	9	inactive, moderate
			11-Sep-89 11:18	7 / 16:17	9	normal/no significant signs
			11-Sep-89 11:23	8 / 07:35	9	normal/no significant signs
			11-Sep-89 11:28	8 / 10:51	9	hunched posture, slight increased respiration, slight disoriented, slight
			11-Sep-89 11:52	8 / 14:16	9	normal/no significant signs
			11-Sep-89 12:04	9 / 08:02	9	normal/no significant signs
			11-Sep-89 12:10	9 / 09:45	9	hunched posture, moderate inactive, slight
			11-Sep-89 12:16	9 / 14:02	9	hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
34	89F00366	F/ 7/3	11-Sep-89 12:16	9 / 14:02	9	inactive, slight
			11-Sep-89 12:25	10 / 07:23	9	normal/no significant signs
			11-Sep-89 12:31	10 / 09:56	9	hunched posture, slight increased respiration, moderate inactive, moderate
			11-Sep-89 12:37	10 / 14:41	9	normal/no significant signs
			11-Sep-89 12:51	11 / 07:16	9	inactive, slight increased respiratory depth, moderate
			11-Sep-89 12:59	11 / 09:07	9	normal/no significant signs
			11-Sep-89 13:04	11 / 14:59	9	normal/no significant signs
			11-Sep-89 13:08	12 / 07:34	9	normal/no significant signs
			11-Sep-89 13:13	12 / 09:31	9	hunched posture, slight disoriented, slight inactive, slight
			11-Sep-89 13:24	12 / 14:42	9	hunched posture, slight disoriented, slight
			11-Sep-89 13:29	13 / 07:37	9	hunched posture, slight inactive, slight
			11-Sep-89 13:33	13 / 10:27	9	inactive, moderate disoriented, moderate
			11-Sep-89 13:40	13 / 14:03	9	inactive, slight disoriented, moderate
			11-Sep-89 13:52	14 / 08:13	9	sore, moderate, neck wide-legged stance, moderate
			11-Sep-89 13:58	14 / 09:36	9	sore, moderate, neck wide-legged stance, moderate inactive, moderate increased respiration, moderate
			11-Sep-89 14:06	14 / 14:10	9	sore, moderate, neck
			11-Sep-89 14:13	15 / 07:24	9	sore, moderate, neck inactive, slight increased respiration, slight
35	89F00390	F/ 7/4	12-Sep-89 07:57	1 / 08:30	9	normal/no significant signs
			12-Sep-89 08:07	1 / 11:11	9	increased respiration, slight
			12-Sep-89 08:17	1 / 14:20	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
35	89F00390	F/ 7/4	12-Sep-89 08:24	2 / 08:08	9	increased respiration, moderate
			12-Sep-89 08:29	2 / 11:31	9	increased respiration, moderate
			12-Sep-89 08:34	2 / 14:37	9	increased respiration, moderate
			12-Sep-89 08:42	3 / 08:56	9	apprehensive, moderate
			12-Sep-89 08:55	3 / 11:44	9	increased respiration, moderate hunched posture, slight
			12-Sep-89 09:07	3 / 14:57	9	normal/no significant signs
			12-Sep-89 09:21	4 / 08:48	9	normal/no significant signs
			12-Sep-89 09:25	4 / 10:25	9	increased respiration, slight inactive, moderate
			12-Sep-89 09:30	4 / 16:11	9	inactive, slight
			12-Sep-89 09:34	5 / 07:28	9	inactive, moderate
			12-Sep-89 09:47	5 / 11:27	9	inactive, moderate
			12-Sep-89 09:53	5 / 14:23	9	inactive, moderate hunched posture, slight
			12-Sep-89 10:00	6 / 08:09	9	inactive, slight
			12-Sep-89 10:07	6 / 11:40	9	inactive, slight hunched posture, moderate tremors, slight disoriented, moderate
			12-Sep-89 10:15	6 / 16:26	9	apprehensive, slight hunched posture, moderate disoriented, moderate
			12-Sep-89 10:25	7 / 07:50	9	hunched posture, moderate disoriented, slight
			12-Sep-89 10:36	7 / 11:19	9	hunched posture, moderate disoriented, moderate increased respiration, slight tremors, slight
			12-Sep-89 10:55	7 / 14:25	9	increased respiration, slight
			12-Sep-89 10:59	8 / 08:12	9	normal/no significant signs
			12-Sep-89 11:06	8 / 10:20	9	apprehensive, moderate disoriented, slight hunched posture, slight
			12-Sep-89 11:12	8 / 14:11	9	increased respiration, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
35	89F00390	F/ 7/4	12-Sep-89 11:16	9 / 07:3[illegible]	9	hunched posture, slight loose stool, slight inactive, slight
			12-Sep-89 11:26	9 / 10:41	9	increased respiration, slight apprehensive, moderate hunched posture, slight
			12-Sep-89 11:33	9 / 14:48	9	normal/no significant signs
			12-Sep-89 11:37	10 / 07:33	9	apprehensive, moderate
			12-Sep-89 11:45	10 / 10:13	9	normal/no significant signs
			12-Sep-89 11:49	10 / 15:07	9	normal/no significant signs
			12-Sep-89 11:53	11 / 07:46	9	normal/no significant signs
			12-Sep-89 11:59	11 / 10:55	9	hunched posture, slight inactive, slight
			12-Sep-89 12:05	11 / 14:50	9	normal/no significant signs
			12-Sep-89 12:11	12 / 07:50	9	normal/no significant signs
			12-Sep-89 12:15	12 / 11:00	9	increased respiration, slight
			12-Sep-89 12:25	12 / 14:11	9	normal/no significant signs
			12-Sep-89 12:30	13 / 08:31	9	normal/no significant signs
			12-Sep-89 12:38	13 / 09:55	9	inactive, slight
			12-Sep-89 12:43	13 / 14:22	9	inactive, moderate increased respiration, slight hunched posture, slight
			12-Sep-89 12:52	14 / 07:40	9	uncoordinated, slight
			12-Sep-89 12:57	14 / 09:08	9	hunched posture, slight increased respiration, slight
			12-Sep-89 13:04	14 / 14:04	9	uncoordinated, slight inactive, slight
			12-Sep-89 13:08	15 / 07:25	9	uncoordinated, slight inactive, slight
36	89F00346	F/ 8/1	08-Aug-89 14:24	1 / 10:48	9	normal/no significant signs
			08-Aug-89 14:43	1 / 12:11	9	startles, moderate apprehensive, moderate increased respiration, moderate increased respiratory depth, moderate disoriented, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
36	89F00346	F/ 8/1	08-Aug-89 14:54	1 / 16:21	9	increased respiration, slight increased respiratory depth, moderate
			08-Aug-89 15:00	2 / 08:36	9	aggressive, moderate disoriented, slight
			08-Aug-89 15:11	2 / 10:04	9	inactive, slight
			08-Aug-89 15:20	2 / 14:09	9	apprehensive, slight inactive, slight
			08-Aug-89 15:30	3 / 07:52	9	aggressive, slight
			08-Aug-89 15:43	3 / 10:15	9	aggressive, moderate apprehensive, slight disoriented, slight inactive, moderate hunched posture, slight
			10-Aug-89 09:34	3 / 15:21	9	hunched posture, slight increased respiration, slight
			10-Aug-89 09:44	4 / 08:08	9	increased respiratory depth, moderate apprehensive, moderate
			10-Aug-89 09:53	4 / 11:00	9	increased respiratory depth, moderate apprehensive, moderate hunched posture, slight
			10-Aug-89 10:02	4 / 14:35	9	apprehensive, moderate hunched posture, slight disoriented, slight
			10-Aug-89 10:07	5 / 08:06	9	inactive, slight increased respiration, slight
			10-Aug-89 10:11	5 / 11:37	9	apprehensive, slight
			10-Aug-89 10:16	5 / 16:58	9	inactive, slight
			10-Aug-89 13:03	6 / 08:20	9	inactive, slight increased respiration, slight
			10-Aug-89 13:07	6 / 10:54	9	normal/no significant signs
			10-Aug-89 13:11	6 / 15:51	9	increased respiration, slight
			10-Aug-89 13:17	7 / 08:34	9	apprehensive, slight hunched posture, slight
			10-Aug-89 13:28	7 / 10:13	9	disoriented, moderate inactive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
36	89F00346	F/ 8/1	10-Aug-89 14:04	7 / 14:43	9	disoriented, slight apprehensive, moderate
			10-Aug-89 14:10	8 / 08:18	9	apprehensive, moderate
			10-Aug-89 14:16	8 / 09:57	9	apprehensive, moderate disoriented, moderate
			10-Aug-89 14:23	8 / 14:04	9	disoriented, slight aggressive, moderate
			10-Aug-89 14:29	9 / 07:40	9	apprehensive, moderate
			10-Aug-89 14:37	9 / 10:05	9	disoriented, moderate aggressive, slight hunched posture, slight
			10-Aug-89 14:48	9 / 14:40	9	disoriented, slight hunched posture, slight
			10-Aug-89 15:03	10 / 07:22	9	apprehensive, moderate hunched posture, slight
			10-Aug-89 15:09	10 / 10:04	9	inactive, moderate
			10-Aug-89 15:13	10 / 14:17	9	normal/no significant signs
			10-Aug-89 15:19	11 / 07:52	9	normal/no significant signs
			10-Aug-89 15:25	11 / 10:11	9	hunched posture, slight inactive, slight
			10-Aug-89 15:29	11 / 14:16	9	normal/no significant signs
			14-Aug-89 09:15	12 / 08:05	9	normal/no significant signs
			14-Aug-89 09:22	12 / 09:30	9	hunched posture, slight increased respiratory depth, slight
			14-Aug-89 09:27	12 / 15:42	9	aggressive, moderate
			14-Aug-89 09:31	13 / 06:21	9	inactive, slight
			14-Aug-89 09:36	13 / 10:01	9	hunched posture, slight increased respiration, slight
			14-Aug-89 09:42	13 / 13:53	9	increased respiration, slight
			14-Aug-89 09:47	14 / 08:09	9	inactive, slight
			14-Aug-89 10:00	14 / 10:28	9	hunched posture, moderate
			14-Aug-89 10:05	14 / 16:05	9	hunched posture, moderate inactive, moderate
			14-Aug-89 10:09	15 / 08:15	9	hunched posture, moderate startles, slight
37	89F00359	F/ 8/2	14-Aug-89 10:19	1 / 09:40	9	normal/no significant signs
			14-Aug-89 10:45	1 / 10:58	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
37	89F00359	F/ 8/2	14-Aug-89 10:53	1 / 14:13	9	increased water consumption, slight
			23-Aug-89 14:28	2 / 08:12	9	disoriented, slight
			23-Aug-89 14:35	2 / 10:41	9	disoriented, moderate
			23-Aug-89 14:44	2 / 15:30	9	normal/no significant signs
			23-Aug-89 14:47	3 / 08:21	9	normal/no significant signs
			23-Aug-89 14:55	3 / 11:33	9	disoriented, slight dilated pupils, moderate
			23-Aug-89 15:00	3 / 15:11	9	normal/no significant signs
			23-Aug-89 15:03	4 / 08:15	9	normal/no significant signs
			23-Aug-89 15:08	4 / 12:49	9	inactive, slight
			23-Aug-89 15:12	4 / 17:10	9	inactive, slight increased respiration, moderate
			23-Aug-89 15:15	5 / 08:30	9	normal/no significant signs
			23-Aug-89 15:19	5 / 11:34	9	normal/no significant signs
			23-Aug-89 15:23	5 / 15:57	9	normal/no significant signs
			02-Oct-89 09:23	6 / 08:50	4	disoriented, slight
			02-Oct-89 09:34	6 / 10:40	4	disoriented, slight inactive, moderate hunched posture, moderate increased respiration, slight
			02-Oct-89 09:46	6 / 14:54	4	disoriented, slight mucous on nares, moderate
			07-Sep-89 13:09	7 / 08:32	9	disoriented, slight dilated pupils, slight inactive, slight hunched posture, slight
			07-Sep-89 13:23	7 / 10:21	9	disoriented, moderate dilated pupils, moderate inactive, moderate increased respiration, severe mucous on nares, moderate
			07-Sep-89 13:32	7 / 14:14	9	disoriented, slight
			07-Sep-89 13:39	8 / 07:54	9	normal/no significant signs
			07-Sep-89 13:46	8 / 10:25	9	disoriented, moderate hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 85

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
37	89F00359	F/ 8/2	07-Sep-89 13:54	8 / 14:50	9	hunched posture, slight aggressive, moderate
			07-Sep-89 14:19	? / 07:48	9	normal/no significant signs
			07-Sep-89 14:24	9 / 10:35	9	inactive, moderate
			07-Sep-89 14:28	9 / 14:24	9	inactive, moderate
			07-Sep-89 14:38	10 / 08:12	9	disoriented, slight tremors, moderate
			07-Sep-89 14:45	10 / 10:51	9	inactive, moderate
			07-Sep-89 14:51	10 / 14:39	9	inactive, slight
			07-Sep-89 14:56	11 / 08:16	9	normal/no significant signs
			07-Sep-89 15:03	11 / 10:05	9	normal/no significant signs
			07-Sep-89 15:09	11 / 15:57	9	dilated pupils, moderate
			07-Sep-89 15:21	12 / 06:32	9	dilated pupils, moderate
			07-Sep-89 15:26	12 / 10:51	9	dilated pupils, moderate increased respiration, slight pulled catheter
			07-Sep-89 15:32	12 / 14:02	9	normal/no significant signs
			07-Sep-89 15:36	13 / 08:18	9	normal/no significant signs
			07-Sep-89 15:43	13 / 11:15	9	disoriented, slight hunched posture, slight tremors, slight hyperactive, slight
			07-Sep-89 15:48	13 / 16:12	9	normal/no significant signs
			07-Sep-89 15:53	14 / 08:41	9	normal/no significant signs
			07-Sep-89 15:59	14 / 11:40	9	disoriented, moderate inactive, slight
			07-Sep-89 16:04	14 / 14:10	9	normal/no significant signs
			07-Sep-89 16:08	15 / 08:17	9	normal/no significant signs
38	89F00365	F/ 8/3	11-Sep-89 08:10	1 / 08:42	9	tremors, moderate apprehensive, moderate
			11-Sep-89 08:23	1 / 10:33	9	disoriented, slight
			11-Sep-89 09:11	1 / 14:03	9	disoriented, slight apprehensive, moderate
			11-Sep-89 09:18	2 / 08:14	9	disoriented, slight apprehensive, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
38	89F00365	F/ 8/3	11-Sep-89 09:18	2 / 08:14	9	dark material in nare, moderate
			11-Sep-89 09:30	2 / 10:40	9	disoriented, moderate dark material in nare, moderate inactive, slight increased respiration, slight
			11-Sep-89 09:38	2 / 14:03	9	disoriented, slight dark material in nare, moderate inactive, slight tremors, slight
			11-Sep-89 09:45	3 / 06:52	9	inactive, slight apprehensive, moderate
			11-Sep-89 09:51	3 / 10:52	9	normal/no significant signs
			11-Sep-89 09:56	3 / 14:28	9	normal/no significant signs
			11-Sep-89 10:03	4 / 08:24	9	disoriented, slight increased respiration, slight
			11-Sep-89 10:15	4 / 11:04	9	increased respiration, slight inactive, moderate
			11-Sep-89 10:21	4 / 14:48	9	normal/no significant signs
			11-Sep-89 10:24	5 / 08:26	9	normal/no significant signs
			11-Sep-89 10:35	5 / 10:05	9	apprehensive, slight inactive, slight
			11-Sep-89 10:39	5 / 16:01	9	normal/no significant signs
			11-Sep-89 10:44	6 / 07:16	9	normal/no significant signs
			11-Sep-89 10:49	6 / 11:00	9	dark material in nare, slight inactive, slight increased respiration, slight
			11-Sep-89 10:58	6 / 14:12	9	inactive, slight dark material in nare, slight
			11-Sep-89 11:06	7 / 07:51	9	normal/no significant signs
			11-Sep-89 11:12	7 / 11:21	9	disoriented, moderate inactive, slight
			11-Sep-89 11:19	7 / 16:16	9	normal/no significant signs
			11-Sep-89 11:23	8 / 07:33	9	disoriented, slight uncoordinated, moderate hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
38	89F00365	F/ 8/3	11-Sep-89 11:23	8 / 07:33	9	inactive, slight
			11-Sep-89 11:29	8 / 10:50	9	inactive, slight increased respiration, moderate
			11-Sep-89 11:52	8 / 14:16	9	normal/no significant signs
			11-Sep-89 12:05	9 / 08:01	9	normal/no significant signs
			11-Sep-89 12:11	9 / 09:43	9	disoriented, slight inactive, slight increased respiration, moderate
			11-Sep-89 12:18	9 / 14:01	9	disoriented, slight inactive, slight increased respiration, moderate
			11-Sep-89 12:26	10 / 07:22	9	increased respiration, slight
			11-Sep-89 12:32	10 / 09:51	9	increased respiration, moderate inactive, moderate
			11-Sep-89 12:37	10 / 14:40	9	normal/no significant signs
			11-Sep-89 12:51	11 / 07:16	9	normal/no significant signs
			11-Sep-89 12:59	11 / 09:00	9	inactive, moderate increased respiratory depth, slight
			11-Sep-89 13:04	11 / 14:59	9	normal/no significant signs
			11-Sep-89 13:08	12 / 07:34	9	normal/no significant signs
			11-Sep-89 13:13	12 / 09:23	9	disoriented, slight hunched posture, moderate inactive, moderate increased respiration, moderate increased respiratory depth, slight
			11-Sep-89 13:24	12 / 14:41	9	disoriented, slight hunched posture, moderate inactive, moderate increased respiration, moderate increased respiratory depth, slight
			11-Sep-89 13:29	13 / 07:36	9	disoriented, slight hunched posture, moderate inactive, moderate
			11-Sep-89 13:33	13 / 10:17	9	disoriented, slight hunched posture, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 88

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
38	89F00365	F/ 8/3	11-Sep-89 13:33	13 / 10:17	9	uncoordinated, moderate
			11-Sep-89 13:40	13 / 14:02	9	disoriented, slight hunched posture, slight uncoordinated, slight
			11-Sep-89 13:52	14 / 08:12	9	apprehensive, slight
			11-Sep-89 13:58	14 / 09:30	9	apprehensive, slight increased respiration, slight
			11-Sep-89 14:06	14 / 14:08	9	increased respiration, slight
			11-Sep-89 14:13	15 / 07:23	9	increased respiration, slight apprehensive, slight inactive, slight
39	89F00392	F/ 8/4	12-Sep-89 07:57	1 / 08:34	9	apprehensive, slight
			12-Sep-89 08:07	1 / 11:21	9	apprehensive, slight hunched posture, slight increased respiration, moderate
			12-Sep-89 08:17	1 / 14:21	9	hunched posture, slight
			12-Sep-89 08:24	2 / 08:09	9	hunched posture, slight
			12-Sep-89 08:30	2 / 11:36	9	increased respiration, slight
			12-Sep-89 08:34	2 / 14:41	9	increased respiration, slight
			12-Sep-89 08:42	3 / 08:57	9	disoriented, slight
			12-Sep-89 08:56	3 / 11:45	9	disoriented, slight hunched posture, moderate increased respiration, slight
			12-Sep-89 09:07	3 / 15:00	9	normal/no significant signs
			12-Sep-89 09:21	4 / 09:00	9	normal/no significant signs
			12-Sep-89 09:25	4 / 10:32	9	normal/no significant signs
			12-Sep-89 09:30	4 / 16:16	9	normal/no significant signs
			12-Sep-89 09:34	5 / 07:31	9	normal/no significant signs
			12-Sep-89 09:47	5 / 11:37	9	normal/no significant signs
			12-Sep-89 09:53	5 / 14:26	9	normal/no significant signs
			12-Sep-89 10:00	6 / 08:17	9	normal/no significant signs
			12-Sep-89 10:07	6 / 11:48	9	hunched posture, slight disoriented, slight
			12-Sep-89 10:15	6 / 16:27	9	normal/no significant signs
			12-Sep-89 10:25	7 / 07:54	9	normal/no significant signs

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
39	89F00392	F/ 8/4	12-Sep-89 10:36	7 / 11:26	9	hunched posture, moderate increased respiration, moderate
			12-Sep-89 10:55	7 / 14:29	9	normal/no significant signs
			12-Sep-89 11:00	8 / 08:11	9	normal/no significant signs
			12-Sep-89 11:06	8 / 10:36	9	inactive, slight tremors, slight
			12-Sep-89 11:12	8 / 14:12	9	normal/no significant signs
			12-Sep-89 11:17	9 / 07:36	9	tremors, moderate
			12-Sep-89 11:26	9 / 10:50	9	tremors, moderate increased respiration, slight
			12-Sep-89 11:33	9 / 14:51	9	normal/no significant signs
			12-Sep-89 11:38	10 / 07:34	9	normal/no significant signs
			12-Sep-89 11:45	10 / 10:30	9	normal/no significant signs
			12-Sep-89 11:49	10 / 15:09	9	normal/no significant signs
			12-Sep-89 11:54	11 / 07:45	9	normal/no significant signs
			12-Sep-89 11:59	11 / 11:19	9	inactive, slight uncoordinated, moderate
			12-Sep-89 12:05	11 / 14:50	9	uncoordinated, slight
			12-Sep-89 12:11	12 / 07:51	9	normal/no significant signs
			12-Sep-89 12:15	12 / 11:13	9	inactive, slight uncoordinated, slight
			12-Sep-89 12:25	12 / 14:12	9	uncoordinated, slight
			12-Sep-89 12:30	13 / 08:35	9	inactive, moderate hunched posture, moderate lack of appetite, severe
			12-Sep-89 12:38	13 / 10:01	9	inactive, moderate hunched posture, slight lack of appetite, severe
			12-Sep-89 12:43	13 / 14:25	9	hunched posture, moderate lack of appetite, severe increased respiration, slight
			12-Sep-89 12:52	14 / 07:41	9	disoriented, slight uncoordinated, slight
			12-Sep-89 12:57	14 / 09:31	9	disoriented, slight inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 38010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
39	89F00392	F/ 8/4	12-Sep-89 12:57	14 / 09:31	9	hunched posture, moderate
			12-Sep-89 13:04	14 / 14:05	9	disoriented, slight inactive, slight
			12-Sep-89 13:09	15 / 07:26	9	normal/no significant signs
40	89F00393	F/ 8/4	12-Sep-89 07:58	1 / 08:40	9	apprehensive, moderate
			12-Sep-89 08:08	1 / 11:24	9	hunched posture, slight
			12-Sep-89 08:17	1 / 14:32	9	normal/no significant signs
			12-Sep-89 08:24	2 / 07:59	9	apprehensive, moderate
			12-Sep-89 08:30	2 / 11:42	9	normal/no significant signs
			12-Sep-89 08:34	2 / 14:43	9	normal/no significant signs
			12-Sep-89 08:42	3 / 08:39	9	apprehensive, moderate hunched posture, slight
			12-Sep-89 08:57	3 / 11:58	9	hunched posture, slight red eyes, slight, both eyes increased respiration, slight disoriented, moderate
			12-Sep-89 09:07	3 / 15:04	9	normal/no significant signs
			12-Sep-89 09:21	4 / 09:02	9	normal/no significant signs
			12-Sep-89 09:25	4 / 10:42	9	increased respiration, slight inactive, slight
			12-Sep-89 09:31	4 / 16:18	9	apprehensive, slight
			12-Sep-89 09:34	5 / 07:33	9	apprehensive, slight inactive, moderate
			12-Sep-89 09:47	5 / 11:43	9	apprehensive, moderate inactive, slight
			12-Sep-89 09:53	5 / 14:28	9	apprehensive, moderate inactive, slight hunched posture, slight
			12-Sep-89 10:02	6 / 08:20	9	inactive, moderate hunched posture, moderate increased respiration, moderate
			12-Sep-89 10:07	6 / 11:50	9	inactive, moderate hunched posture, moderate increased respiration, moderate
			12-Sep-89 10:16	6 / 16:30	9	hunched posture, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
40	89F00393	F/ 8/4	12-Sep-89 10:16	6 / 16:30	9	increased respiration, moderate inactive, moderate
			12-Sep-89 10:28	7 / 08:00	9	increased respiration, slight inactive, slight disoriented, slight apprehensive, moderate
			12-Sep-89 10:37	7 / 11:26	9	increased respiration, moderate disoriented, moderate hunched posture, slight tremors, moderate
			12-Sep-89 10:55	7 / 14:32	9	normal/no significant signs
			12-Sep-89 11:00	8 / 08:16	9	tremors, moderate uncoordinated, slight
			12-Sep-89 11:06	8 / 10:44	9	tremors, moderate uncoordinated, moderate
			12-Sep-89 11:12	8 / 14:19	9	apprehensive, moderate hunched posture, slight
			12-Sep-89 11:17	9 / 07:41	9	hunched posture, moderate inactive, slight tremors, moderate
			12-Sep-89 11:27	9 / 11:00	9	hunched posture, moderate inactive, slight increased respiration, slight
			12-Sep-89 11:33	9 / 14:53	9	inactive, slight increased respiration, slight
			12-Sep-89 11:38	10 / 07:45	9	increased respiration, slight uncoordinated, moderate disoriented, slight
			12-Sep-89 11:45	10 / 10:43	9	normal/no significant signs
			12-Sep-89 11:49	10 / 15:11	9	normal/no significant signs
			12-Sep-89 11:54	11 / 07:55	9	apprehensive, slight inactive, slight
			12-Sep-89 11:59	11 / 11:30	9	inactive, slight hunched posture, moderate increased respiration, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
40	89F00393	F/ 8/4	12-Sep-89 12:06	11 / 14:57	9	inactive, slight
			12-Sep-89 12:11	12 / 07:58	9	tremors, slight uncoordinated, slight hunched posture, slight
			12-Sep-89 12:16	12 / 11:44	9	hunched posture, slight increased respiration, slight
			12-Sep-89 12:25	12 / 14:16	9	hunched posture, slight increased respiration, slight tremors, slight apprehensive, slight inactive, slight
			12-Sep-89 12:31	13 / 08:38	9	increased respiration, slight apprehensive, slight
			12-Sep-89 12:39	13 / 10:08	9	normal/no significant signs
			12-Sep-89 12:43	13 / 14:27	9	apprehensive, moderate increased respiration, slight
			12-Sep-89 12:53	14 / 07:48	9	increased respiration, moderate wide-legged stance, moderate inactive, slight
			12-Sep-89 12:58	14 / 09:40	9	increased respiration, moderate wide-legged stance, moderate disoriented, slight tremors, slight
			12-Sep-89 13:04	14 / 14:10	9	wide-legged stance, moderate inactive, slight
			12-Sep-89 13:09	15 / 07:32	9	increased respiration, moderate hunched posture, moderate dilated pupils, moderate
41	89F00349	F/ 9/1	08-Aug-89 14:24	1 / 10:50	9	normal/no significant signs
			08-Aug-89 14:44	1 / 12:28	9	apprehensive, moderate inactive, moderate hunched posture, moderate increased respiration, slight
			08-Aug-89 14:55	1 / 16:24	9	hunched posture, slight
			08-Aug-89 15:00	2 / 08:39	9	increased respiration, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
41	89F00349	F/ 9/1	08-Aug-89 15:12	2 / 10:02	9	inactive, moderate hunched posture, moderate increased respiration, moderate
			08-Aug-89 15:20	2 / 14:11	9	inactive, slight apprehensive, slight
			08-Aug-89 15:31	3 / 08:02	9	inactive, slight hunched posture, slight
			08-Aug-89 15:44	3 / 10:19	9	inactive, slight hunched posture, slight increased respiration, slight apprehensive, slight
			10-Aug-89 09:34	3 / 15:24	9	normal/no significant signs
			10-Aug-89 09:45	4 / 08:16	9	normal/no significant signs
			10-Aug-89 09:53	4 / 11:05	9	increased respiration, slight dilated pupils, moderate disoriented, moderate
			10-Aug-89 10:03	4 / 14:38	9	dilated pupils, moderate hunched posture, slight
			10-Aug-89 10:07	5 / 08:05	9	normal/no significant signs
			10-Aug-89 10:12	5 / 11:54	9	inactive, slight hunched posture, slight increased respiration, slight
			10-Aug-89 10:16	5 / 17:03	9	normal/no significant signs
			10-Aug-89 13:03	6 / 08:22	9	normal/no significant signs
			10-Aug-89 13:08	6 / 11:02	9	normal/no significant signs
			10-Aug-89 13:12	6 / 15:53	9	inactive, slight
			10-Aug-89 13:18	7 / 08:37	9	normal/no significant signs
			10-Aug-89 13:28	7 / 10:15	9	apprehensive, slight inactive, slight disoriented, moderate
			10-Aug-89 14:04	7 / 14:45	9	normal/no significant signs
			10-Aug-89 14:10	8 / 08:20	9	normal/no significant signs
			10-Aug-89 14:16	8 / 10:05	9	disoriented, moderate
			10-Aug-89 14:23	8 / 14:06	9	normal/no significant signs
			10-Aug-89 14:29	9 / 07:44	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
41	89F00349	F/ 9/1	10-Aug-89 14:37	9 / 10:09	9	disoriented, slight
			10-Aug-89 14:49	9 / 14:44	9	disoriented, moderate hunched posture, slight
			10-Aug-89 15:03	10 / 07:25	9	disoriented, moderate hunched posture, slight tremors, slight
			10-Aug-89 15:09	10 / 10:12	9	normal/no significant signs
			10-Aug-89 15:14	10 / 14:19	9	normal/no significant signs
			10-Aug-89 15:19	11 / 07:56	9	normal/no significant signs
			10-Aug-89 15:25	11 / 10:23	9	disoriented, moderate hunched posture, moderate uncoordinated, slight
			10-Aug-89 15:29	11 / 14:23	9	normal/no significant signs
			14-Aug-89 09:16	12 / 08:07	9	normal/no significant signs
			14-Aug-89 09:22	12 / 09:38	9	inactive, slight
			14-Aug-89 09:27	12 / 15:44	9	normal/no significant signs
			14-Aug-89 09:31	13 / 06:23	9	normal/no significant signs
			14-Aug-89 09:37	13 / 10:15	9	normal/no significant signs
			14-Aug-89 09:42	13 / 13:55	9	inactive, moderate
			14-Aug-89 09:48	14 / 08:11	9	disoriented, slight
			14-Aug-89 10:00	14 / 10:39	9	disoriented, slight dilated pupils, moderate
			14-Aug-89 10:05	14 / 16:06	9	normal/no significant signs
			14-Aug-89 10:09	15 / 08:25	9	normal/no significant signs
42	89F00340	F/ 9/1	08-Aug-89 14:25	1 / 10:22	9	normal/no significant signs
			08-Aug-89 14:44	1 / 11:22	9	disoriented, moderate uncoordinated, moderate
			08-Aug-89 14:55	1 / 16:14	9	disoriented, slight uncoordinated, slight
			08-Aug-89 15:00	2 / 08:30	9	normal/no significant signs
			08-Aug-89 15:12	2 / 09:36	9	disoriented, moderate uncoordinated, slight
			08-Aug-89 15:21	2 / 14:03	9	inactive, slight dilated pupils, moderate
			08-Aug-89 15:31	3 / 07:35	9	dilated pupils, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
42	89F00340	F/ 9/1	08-Aug-89 15:45	3 / 09:53	9	dilated pupils, slight disoriented, slight inactive, slight hunched posture, slight
			10-Aug-89 09:34	3 / 15:18	9	normal/no significant signs
			10-Aug-89 09:45	4 / 07:48	9	dilated pupils, slight
			10-Aug-89 09:54	4 / 10:37	9	dilated pupils, moderate inactive, slight increased respiration, slight
			10-Aug-89 10:03	4 / 14:32	9	dilated pupils, slight inactive, slight increased respiration, slight irritable, moderate
			10-Aug-89 10:07	5 / 08:03	9	normal/no significant signs
			10-Aug-89 10:12	5 / 11:13	9	inactive, slight
			10-Aug-89 10:16	5 / 16:55	9	normal/no significant signs
			10-Aug-89 13:03	6 / 08:17	9	normal/no significant signs
			10-Aug-89 13:08	6 / 10:40	9	inactive, slight increased respiration, slight
			10-Aug-89 13:12	6 / 15:49	9	normal/no significant signs
			10-Aug-89 13:18	7 / 07:29	9	disoriented, slight uncoordinated, slight
			10-Aug-89 13:29	7 / 09:47	9	disoriented, slight inactive, slight hunched posture, moderate
			10-Aug-89 14:05	7 / 14:37	9	mucous on nares, slight dilated pupils, moderate disoriented, moderate wide-legged stance, slight
			10-Aug-89 14:11	8 / 08:12	9	dilated pupils, slight disoriented, slight wide-legged stance, slight
			10-Aug-89 14:17	8 / 09:45	9	mucous on nares, slight disoriented, moderate tremors, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
42	89F00340	F/ 9/1	10-Aug-89 14:24	8 / 14:02	9	dilated pupils, slight wide-legged stance, slight increased respiration, slight
			10-Aug-89 14:29	9 / 07:33	9	normal/no significant signs
			10-Aug-89 14:41	9 / 09:47	9	mucous on nares, slight dilated pupils, slight disoriented, slight increased respiration, slight
			10-Aug-89 14:49	9 / 14:36	9	mucous on nares, slight wide-legged stance, slight
			10-Aug-89 15:04	10 / 07:14	9	wide-legged stance, slight tremors, slight
			10-Aug-89 15:10	10 / 09:50	9	inactive, slight
			10-Aug-89 15:14	10 / 14:09	9	normal/no significant signs
			10-Aug-89 15:19	11 / 07:32	9	normal/no significant signs
			10-Aug-89 15:26	11 / 09:41	9	disoriented, slight wide-legged stance, slight tremors, moderate
			10-Aug-89 15:29	11 / 14:12	9	normal/no significant signs
			14-Aug-89 09:16	12 / 07:58	9	normal/no significant signs
			14-Aug-89 09:23	12 / 09:17	9	inactive, slight
			14-Aug-89 09:27	12 / 15:38	9	normal/no significant signs
			14-Aug-89 09:31	13 / 06:15	9	normal/no significant signs
			14-Aug-89 09:37	13 / 09:45	9	dilated pupils, moderate increased respiration, slight
			14-Aug-89 09:42	13 / 13:45	9	increased respiration, slight inactive, slight
			14-Aug-89 09:48	14 / 08:03	9	mucous on nares, slight wide-legged stance, slight
			14-Aug-89 10:01	14 / 10:08	9	disoriented, slight increased respiration, slight hunched posture, slight tremors, slight
			14-Aug-89 10:05	14 / 16:02	9	normal/no significant signs
			14-Aug-89 10:09	15 / 07:24	9	normal/no significant signs
43	89F00356	F/ 9/2	14-Aug-89 10:19	1 / 09:35	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
43	89F00356	F/ 9/2	14-Aug-89 10:46	1 / 10:47	9	dilated pupils, moderate
			14-Aug-89 10:54	1 / 14:10	9	dilated pupils, moderate
			23-Aug-89 14:28	2 / 08:09	9	dilated pupils, moderate disoriented, slight
			23-Aug-89 14:39	2 / 10:34	9	dilated pupils, moderate disoriented, slight lacrimation both eyes, slight, both eyes
			23-Aug-89 14:44	2 / 15:29	9	dilated pupils, slight
			23-Aug-89 14:47	3 / 08:20	9	normal/no significant signs
			23-Aug-89 14:55	3 / 11:27	9	dilated pupils, moderate disoriented, slight
			23-Aug-89 15:01	3 / 15:08	9	dilated pupils, moderate
			23-Aug-89 15:03	4 / 08:13	9	normal/no significant signs
			23-Aug-89 15:08	4 / 12:34	9	normal/no significant signs
			23-Aug-89 15:12	4 / 17:08	9	normal/no significant signs
			23-Aug-89 15:16	5 / 08:28	9	normal/no significant signs
			23-Aug-89 15:19	5 / 11:24	9	normal/no significant signs
			23-Aug-89 15:23	5 / 15:56	9	normal/no significant signs
			02-Oct-89 09:23	6 / 08:46	4	normal/no significant signs
			02-Oct-89 09:35	6 / 10:30	4	dilated pupils, slight lacrimation, moderate disoriented, slight wide-legged stance, moderate
			02-Oct-89 09:47	6 / 14:49	4	disoriented, moderate dilated pupils, moderate
			07-Sep-89 13:09	7 / 08:27	9	dilated pupils, moderate disoriented, slight wide-legged stance, slight hyperactive, slight
			07-Sep-89 13:23	7 / 10:19	9	dilated pupils, slight disoriented, slight
			07-Sep-89 13:32	7 / 14:12	9	dilated pupils, slight disoriented, slight
			07-Sep-89 13:39	8 / 07:50	9	dilated pupils, slight disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
43	89F00356	F/ 9/2	07-Sep-89 13:48	8 / 10:23	9	disoriented, slight increased respiration, slight blood loss/cath leakage, moderate
			07-Sep-89 13:54	8 / 14:48	9	increased respiration, slight dilated pupils, moderate hunched posture, slight
			07-Sep-89 14:20	9 / 07:45	9	dilated pupils, moderate
			07-Sep-89 14:24	9 / 10:29	9	dilated pupils, moderate
			07-Sep-89 14:29	9 / 14:22	9	dilated pupils, moderate
			07-Sep-89 14:38	10 / 08:05	9	dilated pupils, moderate
			07-Sep-89 14:45	10 / 10:50	9	dilated pupils, moderate
			07-Sep-89 14:51	10 / 14:38	9	dilated pupils, moderate
			07-Sep-89 14:57	11 / 08:12	9	normal/no significant signs
			07-Sep-89 15:04	11 / 09:54	9	normal/no significant signs
			07-Sep-89 15:09	11 / 15:48	9	normal/no significant signs
			07-Sep-89 15:21	12 / 06:29	9	normal/no significant signs
			07-Sep-89 15:26	12 / 10:40	9	increased respiration, slight
			07-Sep-89 15:32	12 / 14:00	9	increased respiration, slight
			02-Oct-89 11:18	12 / 08:16	4	hunched posture, slight
			07-Sep-89 15:43	13 / 10:56	9	disoriented, slight
			07-Sep-89 15:48	13 / 16:11	9	normal/no significant signs
			07-Sep-89 15:53	14 / 08:36	9	normal/no significant signs
			07-Sep-89 16:00	14 / 10:18	9	hunched posture, moderate disoriented, slight
			07-Sep-89 16:04	14 / 14:08	9	normal/no significant signs
			07-Sep-89 16:08	15 / 07:58	9	hunched posture, moderate disoriented, slight
44	89F00367	F/ 9/3	11-Sep-89 08:11	1 / 08:44	9	loose stool, slight
			11-Sep-89 08:24	1 / 10:35	9	disoriented, slight increased respiratory depth, slight
			11-Sep-89 09:11	1 / 14:05	9	increased respiratory depth, slight inactive, slight
			11-Sep-89 09:18	2 / 08:15	9	normal/no significant signs
			11-Sep-89 09:31	2 / 10:51	9	disoriented, moderate hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 59
SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
44	89F00367	F/ 9/3	11-Sep-89 09:39	2 / 14:05	9	hunched posture, slight inactive, slight
			11-Sep-89 09:45	3 / 07:00	9	normal/no significant signs
			11-Sep-89 09:52	3 / 10:58	9	inactive, slight
			11-Sep-89 09:56	3 / 14:29	9	normal/no significant signs
			11-Sep-89 10:03	4 / 08:42	9	normal/no significant signs
			11-Sep-89 10:15	4 / 11:07	9	inactive, slight
			11-Sep-89 10:21	4 / 14:50	9	normal/no significant signs
			11-Sep-89 10:25	5 / 08:30	9	normal/no significant signs
			11-Sep-89 10:35	5 / 10:24	9	normal/no significant signs
			11-Sep-89 10:39	5 / 16:02	9	normal/no significant signs
			11-Sep-89 10:44	6 / 07:18	9	normal/no significant signs
			11-Sep-89 10:50	6 / 10:06	9	increased respiratory depth, slight
			11-Sep-89 10:58	6 / 14:13	9	normal/no significant signs
			11-Sep-89 11:06	7 / 07:53	9	normal/no significant signs
			11-Sep-89 11:12	7 / 11:30	9	disoriented, slight inactive, slight
			11-Sep-89 11:19	7 / 16:19	9	inactive, moderate
			11-Sep-89 11:23	8 / 07:36	9	uncoordinated, slight
			11-Sep-89 11:29	8 / 10:51	9	inactive, slight
			11-Sep-89 11:53	8 / 14:17	9	inactive, slight
			11-Sep-89 12:05	9 / 08:03	9	normal/no significant signs
			11-Sep-89 12:11	9 / 10:15	9	uncoordinated, slight disoriented, slight
			11-Sep-89 12:18	9 / 14:04	9	apprehensive, slight
			11-Sep-89 12:26	10 / 07:23	9	normal/no significant signs
			11-Sep-89 12:32	10 / 09:58	9	hunched posture, slight tremors, moderate
			11-Sep-89 12:37	10 / 14:41	9	normal/no significant signs
			11-Sep-89 12:52	11 / 07:17	9	tremors, slight
			11-Sep-89 12:59	11 / 09:33	9	normal/no significant signs
			11-Sep-89 13:04	11 / 15:00	9	normal/no significant signs
			11-Sep-89 13:08	12 / 07:34	9	normal/no significant signs
			11-Sep-89 13:13	12 / 09:41	9	hunched posture, slight
			11-Sep-89 13:24	12 / 14:42	9	normal/no significant signs
			11-Sep-89 13:29	13 / 07:38	9	normal/no significant signs

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 100

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
44	89F00367	F/ 9/3	11-Sep-89 13:34	13 / 09:15	9	hunched posture, slight
			11-Sep-89 13:41	13 / 14:04	9	normal/no significant signs
			11-Sep-89 13:52	14 / 08:14	9	disoriented, slight
			11-Sep-89 13:58	14 / 09:53	9	normal/no significant signs
			11-Sep-89 14:06	14 / 14:11	9	normal/no significant signs
			11-Sep-89 14:13	15 / 07:25	9	normal/no significant signs
45	89F00384	F/ 9/4	12-Sep-89 07:59	1 / 08:35	9	stained nares, moderate apprehensive, slight
			12-Sep-89 08:08	1 / 11:19	9	stained nares, moderate dilated pupils, moderate aggressive, slight increased respiration, slight
			12-Sep-89 08:18	1 / 14:30	9	stained nares, moderate aggressive, slight increased respiration, slight
			12-Sep-89 08:25	2 / 08:05	9	stained nares, moderate aggressive, slight apprehensive, slight
			12-Sep-89 08:30	2 / 11:45	9	stained nares, moderate aggressive, slight apprehensive, slight
			12-Sep-89 08:34	2 / 14:41	9	stained nares, moderate
			12-Sep-89 08:43	3 / 08:52	9	stained nares, moderate disoriented, slight
			12-Sep-89 08:57	3 / 11:57	9	stained nares, moderate disoriented, moderate
			12-Sep-89 09:08	3 / 15:02	9	stained nares, moderate
			12-Sep-89 09:21	4 / 09:02	9	stained nares, moderate
			12-Sep-89 09:26	4 / 10:40	9	stained nares, moderate
			12-Sep-89 09:31	4 / 16:17	9	stained nares, moderate
			12-Sep-89 09:34	5 / 07:32	9	stained nares, moderate
			12-Sep-89 09:48	5 / 11:42	9	apprehensive, slight dilated pupils, slight increased respiration, slight inactive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number /Subgroup	Sex/group	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00384	F/ 9/4	12-Sep-89 09:54	5 / 14:27	9	stained nares, moderate
			12-Sep-89 10:02	6 / 08:19	9	normal/no significant signs
			12-Sep-89 10:08	6 / 11:40	9	disoriented, moderate inactive, slight
			12-Sep-89 10:16	6 / 16:29	9	normal/no significant signs
			12-Sep-89 10:28	7 / 07:57	9	disoriented, moderate
			12-Sep-89 10:38	7 / 11:26	9	disoriented, moderate stained nares, moderate dilated pupils, moderate aggressive, slight
			12-Sep-89 10:55	7 / 14:31	9	normal/no significant signs
			12-Sep-89 11:00	8 / 08:16	9	normal/no significant signs
			12-Sep-89 11:06	8 / 10:37	9	disoriented, slight uncoordinated, slight
			12-Sep-89 11:12	8 / 14:18	9	disoriented, slight uncoordinated, slight
			12-Sep-89 11:17	9 / 07:37	9	disoriented, slight uncoordinated, slight stained nares, moderate
			12-Sep-89 11:27	9 / 10:55	9	disoriented, slight increased respiration, slight
			12-Sep-89 11:33	9 / 14:52	9	normal/no significant signs
			12-Sep-89 11:39	10 / 07:42	9	disoriented, slight uncoordinated, slight hunched posture, slight
			12-Sep-89 11:46	10 / 10:37	9	normal/no significant signs
			12-Sep-89 11:49	10 / 15:10	9	increased water consumption, slight
			12-Sep-89 11:54	11 / 07:53	9	normal/no significant signs
			12-Sep-89 11:59	11 / 11:30	9	normal/no significant signs
			12-Sep-89 12:06	11 / 14:55	9	normal/no significant signs
			12-Sep-89 12:11	12 / 07:57	9	normal/no significant signs
			12-Sep-89 12:16	12 / 11:30	9	disoriented, slight uncoordinated, slight hunched posture, slight
			12-Sep-89 12:26	12 / 14:15	9	disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 102

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
45	89F00384	F/ 9/4	12-Sep-89 12:26	12 / 14:15	9	uncoordinated, slight
			12-Sep-89 12:31	13 / 08:36	9	hunched posture, slight
			12-Sep-89 12:39	13 / 10:10	9	disoriented, moderate inactive, moderate
			12-Sep-89 12:44	13 / 14:26	9	inactive, slight increased respiration, slight hunched posture, moderate
			12-Sep-89 12:53	14 / 07:47	9	inactive, slight
			12-Sep-89 12:58	14 / 09:37	9	inactive, moderate increased respiration, slight
			12-Sep-89 13:05	14 / 14:09	9	inactive, slight hunched posture, slight
			12-Sep-89 13:09	15 / 07:31	9	inactive, slight hunched posture, slight
46	89F00350	F/10/1	08-Aug-89 14:26	1 / 10:52	9	normal/no significant signs
			08-Aug-89 14:45	1 / 12:36	9	disoriented, moderate hunched posture, slight wide-legged stance, moderate
			08-Aug-89 14:56	1 / 16:25	9	irritable, moderate
			08-Aug-89 15:01	2 / 08:39	9	disoriented, slight
			08-Aug-89 15:13	2 / 10:22	9	irritable, slight
			08-Aug-89 15:21	2 / 14:12	9	normal/no significant signs
			08-Aug-89 15:31	3 / 08:04	9	normal/no significant signs
			08-Aug-89 15:46	3 / 10:23	9	disoriented, slight hunched posture, slight wide-legged stance, slight tremors, slight
			10-Aug-89 09:35	3 / 15:25	9	normal/no significant signs
			10-Aug-89 09:45	4 / 08:16	9	normal/no significant signs
			10-Aug-89 09:55	4 / 11:07	9	disoriented, slight hunched posture, slight dilated pupils, slight red eyes, slight
			10-Aug-89 10:04	4 / 14:38	9	disoriented, slight hunched posture, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
46	89F00350	F/10/1	10-Aug-89 10:04	4 / 14:38	9	dilated pupils, moderate
			10-Aug-89 10:07	5 / 08:08	9	normal/no significant signs
			10-Aug-89 10:12	5 / 11:59	9	normal/no significant signs
			10-Aug-89 10:17	5 / 17:03	9	normal/no significant signs
			10-Aug-89 13:04	6 / 08:22	9	normal/no significant signs
			10-Aug-89 13:08	6 / 11:06	9	normal/no significant signs
			10-Aug-89 13:12	6 / 15:53	9	normal/no significant signs
			10-Aug-89 13:18	7 / 08:37	9	normal/no significant signs
			10-Aug-89 13:29	7 / 10:24	9	disoriented, slight hunched posture, slight wide-legged stance, moderate
			10-Aug-89 14:05	7 / 14:46	9	increased respiratory depth, moderate disoriented, moderate dilated pupils, slight
			10-Aug-89 14:11	8 / 08:21	9	disoriented, slight dilated pupils, slight
			10-Aug-89 14:17	8 / 10:04	9	disoriented, moderate dilated pupils, moderate hunched posture, slight
			10-Aug-89 14:24	8 / 14:06	9	disoriented, moderate dilated pupils, moderate hunched posture, slight increased respiration, slight
			10-Aug-89 14:30	9 / 07:45	9	disoriented, slight dilated pupils, moderate hunched posture, slight increased respiration, moderate
			10-Aug-89 14:42	9 / 10:13	9	disoriented, moderate dilated pupils, slight hunched posture, moderate increased respiration, slight
			10-Aug-89 14:50	9 / 14:44	9	disoriented, moderate dilated pupils, slight hunched posture, slight
			10-Aug-89 15:04	10 / 07:25	9	disoriented, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
46	89F00350	F/10/1	10-Aug-89 15:04	10 / 07:25	9	wide-legged stance, moderate
			10-Aug-89 15:10	10 / 09:50	9	normal/no significant signs
			10-Aug-89 15:14	10 / 14:19	9	normal/no significant signs
			10-Aug-89 15:19	11 / 07:57	9	increased respiratory depth, moderate dilated pupils, moderate hunched posture, slight
			10-Aug-89 15:26	11 / 10:30	9	increased respiratory depth, moderate dilated pupils, moderate hunched posture, slight increased respiration, slight wide-legged stance, moderate
			10-Aug-89 15:30	11 / 14:24	9	hunched posture, slight
			14-Aug-89 09:16	12 / 08:08	9	normal/no significant signs
			14-Aug-89 09:23	12 / 09:42	9	increased respiration, slight dilated pupils, slight
			14-Aug-89 09:28	12 / 15:44	9	normal/no significant signs
			14-Aug-89 09:31	13 / 06:24	9	normal/no significant signs
			14-Aug-89 09:37	13 / 10:21	9	dilated pupils, slight increased respiration, slight
			14-Aug-89 09:43	13 / 13:56	9	normal/no significant signs
			14-Aug-89 09:49	14 / 08:12	9	hunched posture, slight wide-legged stance, slight
			14-Aug-89 10:01	14 / 10:42	9	disoriented, moderate uncoordinated, slight
			14-Aug-89 10:06	14 / 16:07	9	disoriented, slight
			14-Aug-89 10:10	15 / 08:30	9	normal/no significant signs
47	89F00351	F/10/2	14-Aug-89 10:19	1 / 08:30	9	normal/no significant signs
			14-Aug-89 10:46	1 / 10:25	9	normal/no significant signs
			14-Aug-89 10:54	1 / 14:04	9	normal/no significant signs
			23-Aug-89 14:28	2 / 08:06	9	normal/no significant signs
			23-Aug-89 14:39	2 / 10:20	9	disoriented, slight
			23-Aug-89 14:44	2 / 15:25	9	normal/no significant signs
			23-Aug-89 14:47	3 / 08:16	9	normal/no significant signs
			23-Aug-89 14:56	3 / 11:10	9	disoriented, slight dilated pupils, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
47	89F00351	F/10/2	23-Aug-89 15:01	3 / 14:45	9	dilated pupils, slight inactive, slight
			23-Aug-89 15:03	4 / 08:08	9	normal/no significant signs
			23-Aug-89 15:08	4 / 12:15	9	inactive, slight
			23-Aug-89 15:12	4 / 17:05	9	normal/no significant signs
			23-Aug-89 15:15	5 / 08:23	9	normal/no significant signs
			23-Aug-89 15:19	5 / 11:08	9	normal/no significant signs
			23-Aug-89 15:24	5 / 15:54	9	normal/no significant signs
			02-Oct-89 09:24	6 / 08:42	4	normal/no significant signs
			02-Oct-89 09:36	6 / 10:21	4	disoriented, slight inactive, slight hunched posture, moderate wide-legged stance, slight
			02-Oct-89 09:47	6 / 14:47	4	disoriented, slight hunched posture, slight
			07-Sep-89 13:10	7 / 08:23	9	disoriented, slight
			07-Sep-89 13:24	7 / 10:09	9	disoriented, slight dilated pupils, moderate
			07-Sep-89 13:33	7 / 14:07	9	hunched posture, moderate increased respiration, slight
			07-Sep-89 13:40	8 / 06:53	9	increased respiration, slight
			07-Sep-89 13:48	8 / 10:14	9	hunched posture, slight
			07-Sep-89 13:55	8 / 14:45	9	normal/no significant signs
			07-Sep-89 13:57	9 / 07:28	9	normal/no significant signs
			07-Sep-89 14:25	9 / 10:19	9	inactive, slight
			07-Sep-89 14:29	9 / 14:20	9	normal/no significant signs
			07-Sep-89 14:38	10 / 07:59	9	hunched posture, slight
			07-Sep-89 14:46	10 / 10:32	9	hunched posture, slight disoriented, slight inactive, slight
			07-Sep-89 14:52	10 / 14:25	9	normal/no significant signs
			07-Sep-89 14:57	11 / 08:10	9	normal/no significant signs
			07-Sep-89 15:04	11 / 09:44	9	inactive, moderate
			07-Sep-89 15:10	11 / 15:45	9	inactive, moderate
			07-Sep-89 15:21	12 / 06:25	9	inactive, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
47	89F00351	F/10/2	07-Sep-89 15:27	12 / 10:21	9	inactive, moderate increased respiration, slight
			07-Sep-89 15:33	12 / 13:57	9	inactive, moderate increased respiration, slight
			07-Sep-89 15:37	13 / 08:12	9	aggressive, moderate pulled catheter
			07-Sep-89 15:44	13 / 11:02	9	disoriented, slight inactive, slight
			07-Sep-89 15:49	13 / 16:09	9	not drinking, severe
			07-Sep-89 15:53	14 / 08:20	9	normal/no significant signs
			07-Sep-89 16:00	14 / 11:17	9	hunched posture, slight disoriented, slight
			07-Sep-89 16:05	14 / 14:05	9	normal/no significant signs
			07-Sep-89 16:08	15 / 06:41	9	normal/no significant signs
48	89F00373	F/10/3	11-Sep-89 08:13	1 / 08:47	9	dilated pupils, moderate exophthalmus, moderate
			11-Sep-89 08:17	1 / 10:47	9	dilated pupils, severe increased respiration, severe hunched posture, moderate disoriented, slight
			11-Sep-89 09:12	1 / 14:10	9	increased respiration, moderate hunched posture, moderate
			11-Sep-89 09:18	2 / 08:23	9	normal/no significant signs
			11-Sep-89 09:31	2 / 10:55	9	dilated pupils, moderate increased respiration, moderate hunched posture, slight disoriented, moderate
			11-Sep-89 09:40	2 / 14:15	9	dilated pupils, moderate increased respiration, moderate disoriented, slight exophthalmus, slight wide-legged stance, moderate
			11-Sep-89 09:48	3 / 08:11	9	dilated pupils, moderate increased respiration, slight disoriented, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
48	89F00373	F/10/3	11-Sep-89 09:48	3 / 08:11	9	wide-legged stance, moderate
			11-Sep-89 09:52	3 / 11:15	9	dilated pupils, slight increased respiration, slight
			11-Sep-89 09:56	3 / 14:33	9	increased respiration, moderate
			11-Sep-89 10:03	4 / 08:37	9	dilated pupils, moderate disoriented, slight wide-legged stance, moderate
			11-Sep-89 10:16	4 / 11:23	9	inactive, slight
			11-Sep-89 10:21	4 / 14:54	9	normal/no significant signs
			11-Sep-89 10:25	5 / 08:40	9	normal/no significant signs
			11-Sep-89 10:35	5 / 10:13	9	inactive, slight
			11-Sep-89 10:39	5 / 16:08	9	uncoordinated, slight
			11-Sep-89 10:44	6 / 07:24	9	normal/no significant signs
			11-Sep-89 10:50	6 / 11:16	9	increased respiration, slight uncoordinated, moderate
			11-Sep-89 10:59	6 / 14:17	9	increased respiration, slight disoriented, slight
			11-Sep-89 11:06	7 / 08:04	9	increased respiration, slight
			11-Sep-89 11:08	7 / 11:30	9	hunched posture, slight uncoordinated, slight
			11-Sep-89 11:19	7 / 16:21	9	normal/no significant signs
			11-Sep-89 11:24	8 / 07:42	9	dilated pupils, moderate disoriented, slight
			11-Sep-89 11:30	8 / 11:10	9	dilated pupils, moderate disoriented, moderate startles, slight aggressive, slight tremors, slight
			11-Sep-89 11:53	8 / 14:20	9	dilated pupils, moderate
			11-Sep-89 12:05	9 / 08:10	9	dilated pupils, moderate
			11-Sep-89 12:12	9 / 10:04	9	dilated pupils, moderate disoriented, moderate startles, slight tremors, slight
			11-Sep-89 12:19	9 / 14:09	9	dilated pupils, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
48	89F00373	F/10/3	11-Sep-89 12:19	9 / 14:09	9	disoriented, slight tremors, moderate
			11-Sep-89 12:26	10 / 07:27	9	normal/no significant signs
			11-Sep-89 12:33	10 / 10:27	9	disoriented, slight aggressive, slight tremors, moderate increased respiration, slight
			11-Sep-89 12:37	10 / 14:45	9	normal/no significant signs
			11-Sep-89 12:52	11 / 07:26	9	dilated pupils, slight increased respiration, slight hunched posture, slight
			11-Sep-89 13:00	11 / 09:48	9	inactive, moderate
			11-Sep-89 13:04	11 / 15:03	9	normal/no significant signs
			11-Sep-89 13:08	12 / 07:39	9	hunched posture, slight
			11-Sep-89 13:14	12 / 10:18	9	hunched posture, slight increased respiration, moderate inactive, slight
			11-Sep-89 13:25	12 / 14:46	9	hunched posture, slight increased respiration, slight
			11-Sep-89 13:29	13 / 07:45	9	normal/no significant signs
			11-Sep-89 13:34	13 / 10:44	9	normal/no significant signs
			11-Sep-89 13:41	13 / 14:08	9	hunched posture, slight inactive, slight
			11-Sep-89 13:53	14 / 08:23	9	normal/no significant signs
			11-Sep-89 13:59	14 / 09:49	9	increased respiration, slight
			11-Sep-89 14:06	14 / 14:16	9	increased respiration, slight
			11-Sep-89 14:14	15 / 07:31	9	increased respiration, slight dilated pupils, moderate
49	89F00364	F/10/3	11-Sep-89 08:13	1 / 08:41	9	apprehensive, moderate
			11-Sep-89 08:18	1 / 10:28	9	aggressive, slight disoriented, moderate
			11-Sep-89 09:12	1 / 14:01	9	aggressive, slight inactive, slight
			11-Sep-89 09:19	2 / 08:12	9	aggressive, moderate apprehensive, slight

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
49	89F00364	F/10/3	11-Sep-89 09:19	2 / 08:12	9	increased respiration, moderate
			11-Sep-89 09:32	2 / 10:39	9	increased respiration, moderate disoriented, moderate
			11-Sep-89 09:40	2 / 14:01	9	increased respiration, moderate aggressive, moderate
			11-Sep-89 09:48	3 / 06:52	9	increased respiration, slight
			11-Sep-89 09:52	3 / 10:45	9	increased respiration, slight
			11-Sep-89 09:57	3 / 14:28	9	inactive, slight
			11-Sep-89 10:04	4 / 08:18	9	apprehensive, moderate disoriented, slight
			11-Sep-89 10:16	4 / 11:08	9	apprehensive, slight
			11-Sep-89 10:21	4 / 14:48	9	normal/no significant signs
			11-Sep-89 10:25	5 / 08:25	9	apprehensive, slight
			11-Sep-89 10:36	5 / 10:07	9	apprehensive, slight
			11-Sep-89 10:40	5 / 16:01	9	apprehensive, slight
			11-Sep-89 10:45	6 / 07:16	9	apprehensive, slight
			11-Sep-89 10:50	6 / 10:57	9	apprehensive, slight inactive, slight increased respiration, moderate
			11-Sep-89 10:59	6 / 14:11	9	apprehensive, slight
			11-Sep-89 11:06	7 / 07:50	9	apprehensive, slight
			11-Sep-89 11:08	7 / 11:18	9	apprehensive, slight inactive, slight
			11-Sep-89 11:19	7 / 16:15	9	normal/no significant signs
			11-Sep-89 11:24	8 / 07:25	9	normal/no significant signs
			11-Sep-89 11:30	8 / 10:45	9	increased respiration, moderate hunched posture, slight
			11-Sep-89 11:54	8 / 14:15	9	increased respiration, slight
			11-Sep-89 12:05	9 / 08:01	9	dilated pupils, moderate
			11-Sep-89 12:12	9 / 09:36	9	increased respiration, moderate hunched posture, slight inactive, slight
			11-Sep-89 12:19	9 / 14:00	9	increased respiration, slight inactive, slight dilated pupils, slight

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 110

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
49	89F00364	F/10/3	11-Sep-89 12:26	10 / 07:22	9	increased respiration, slight
			11-Sep-89 12:33	10 / 09:46	9	increased respiration, moderate hunched posture, slight dilated pupils, moderate inactive, slight
			11-Sep-89 12:38	10 / 14:40	9	increased respiration, slight dilated pupils, slight
			11-Sep-89 12:53	11 / 07:15	9	dilated pupils, slight
			11-Sep-89 13:00	11 / 08:51	9	normal/no significant signs
			11-Sep-89 13:04	11 / 14:58	9	normal/no significant signs
			11-Sep-89 13:08	12 / 07:33	9	normal/no significant signs
			11-Sep-89 13:14	12 / 09:23	9	normal/no significant signs
			11-Sep-89 13:25	12 / 14:40	9	normal/no significant signs
			11-Sep-89 13:29	13 / 07:35	9	normal/no significant signs
			11-Sep-89 13:34	13 / 10:17	9	hunched posture, slight inactive, slight
			11-Sep-89 13:41	13 / 14:01	9	increased respiration, slight collar caught in mouth
			11-Sep-89 13:53	14 / 08:11	9	hunched posture, slight dark material in nare, slight startles, slight
			11-Sep-89 13:59	14 / 09:24	9	stained nares, slight increased respiration, moderate
			11-Sep-89 14:07	14 / 14:07	9	hunched posture, slight startles, slight increased respiration, moderate
			11-Sep-89 14:14	15 / 07:22	9	increased respiration, slight
50	89F00381	F/10/4	12-Sep-89 07:59	1 / 08:32	9	normal/no significant signs
			12-Sep-89 08:09	1 / 11:19	9	increased respiration, slight
			12-Sep-89 08:18	1 / 14:29	9	normal/no significant signs
			12-Sep-89 08:25	2 / 08:04	9	normal/no significant signs
			12-Sep-89 08:30	2 / 11:35	9	increased water consumption, moderate
			12-Sep-89 08:34	2 / 14:39	9	increased water consumption, moderate
			12-Sep-89 08:43	3 / 08:50	9	normal/no significant signs
			12-Sep-89 08:57	3 / 11:56	9	increased respiration, moderate

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs Without Masses
Study Number: 88010F
Data Listing by Animal
Study Start Date: 30-May-89

PRINTED: 26-Oct-89
Page: 111

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper #	Clinical signs / Comments
50	89F00381	F/10/4	12-Sep-89 08:57	3 / 11:56	9	rasping, moderate inactive, slight
			12-Sep-89 09:08	3 / 14:59	9	increased respiration, slight rasping, slight
			12-Sep-89 09:22	4 / 08:59	9	increased respiration, slight labored breathing, moderate
			12-Sep-89 09:26	4 / 10:34	9	increased respiration, slight labored breathing, slight inactive, slight
			12-Sep-89 09:31	4 / 16:15	9	rasping, moderate
			12-Sep-89 09:35	5 / 07:31	9	rasping, slight inactive, slight labored breathing, slight
			12-Sep-89 09:48	5 / 11:35	9	inactive, severe increased respiration, slight
			12-Sep-89 09:55	5 / 14:25	9	inactive, moderate increased respiration, moderate
			12-Sep-89 10:02	6 / 08:15	9	rasping, moderate tremors, slight
			12-Sep-89 10:08	6 / 11:48	9	tremors, slight uncoordinated, slight
			12-Sep-89 10:16	6 / 16:27	9	normal/no significant signs
			12-Sep-89 10:28	7 / 07:53	9	increased respiration, slight
			12-Sep-89 10:38	7 / 11:21	9	increased respiration, moderate rasping, moderate hunched posture, slight
			12-Sep-89 10:56	7 / 14:28	9	normal/no significant signs
			12-Sep-89 11:00	8 / 08:15	9	normal/no significant signs
			12-Sep-89 11:07	8 / 10:35	9	hunched posture, moderate
			12-Sep-89 11:13	8 / 14:16	9	hunched posture, moderate increased respiratory depth, moderate
			12-Sep-89 11:18	9 / 07:35	9	increased respiratory depth, slight increased respiration, moderate stained nares, slight
			12-Sep-89 11:27	9 / 10:46	9	increased respiration, moderate

Appendix D (cont.): INDIVIDUAL ANIMAL HISTORIES

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Raw Data Listings of Clinical Signs With Masses
Study Number: 88D10F
Data Listing by Animal
Study Start Date: 3 May-89

PRINTED: 26-Oct-89
Page: 112

SUB-ACUTE/

Cage #	Animal Number	Sex/group /Subgroup	Date and Time Data was Entered	Study Day/time Data was Taken	Oper	Clinical signs / Comments
50	89F00381	F/10/4	12-Sep-89 11:27	9 / 10:46	9	stained nares, slight hunched posture, slight
			12-Sep-89 11:33	9 / 14:51	9	normal/no significant signs
			12-Sep-89 11:40	10 / 07:40	9	hunched posture, slight tremors, slight
			12-Sep-89 11:46	10 / 10:28	9	increased respiration, moderate
			12-Sep-89 11:50	10 / 15:08	9	normal/no significant signs
			12-Sep-89 11:54	11 / 07:50	9	normal/no significant signs
			12-Sep-89 12:00	11 / 11:07	9	increased respiratory depth, slight tremors, moderate
			12-Sep-89 12:06	11 / 14:54	9	normal/no significant signs
			12-Sep-89 12:11	12 / 07:55	9	normal/no significant signs
			12-Sep-89 12:16	12 / 11:18	9	increased respiration, moderate
			12-Sep-89 12:26	12 / 14:14	9	normal/no significant signs
			12-Sep-89 12:31	13 / 08:34	9	hunched posture, slight
			12-Sep-89 12:39	13 / 10:10	9	normal/no significant signs
			12-Sep-89 12:44	13 / 14:24	9	normal/no significant signs
			12-Sep-89 12:53	14 / 07:46	9	normal/no significant signs
			12-Sep-89 12:59	14 / 10:20	9	increased respiration, moderate disoriented, moderate
			12-Sep-89 13:05	14 / 14:08	9	normal/no significant signs
			12-Sep-89 13:09	15 / 07:30	9	normal/no significant signs

Appendix E: BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-5	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Males					
89F00124	10		3143	3235	3310	3545	3494	3412	3452
89F00136	10	3478	3498	3619	3820	4024	3900	3337	3148
89F00142	10		3190	3346	3354	3484	3432	3556	3584
89F00168	10	2313	2982	3060	3190	3297	3399	3199	3112
89F00175	10	3473	3594	3665	3686	3847	3800	3396	3311
Mean		3088	3281	3385	3472	3639	3605	3380	3321
Std Dev		671	256	256	268	292	229	129	200
SEM		388	114	115	120	131	102	58	89

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-5	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Males					
89F00126	1		3526	3597	3674	3868	3920	3779	3792
89F00130	1	3465	3645	3634	3810	3972	3896	3896	3748
89F00140	1		3122	3211	3294	3455	3518	3471	3071
89F00155	1	3214	3317	3429	3550	3657	3811	3676	3622
89F00166	1	3160	3459	3502	3666	3798	3763	3789	3600
Mean		3280	3414	3475	3599	3750	3782	3722	3567
Std Dev		163	202	168	194	201	160	161	289
SEM		94	90	75	87	90	72	72	129
89F00118	2		3034	3088	3252	3552	3693	3812	3603
89F00132	2		3312	3333	3498	3670	3558	3503	3620
89F00141	2		3098	3157	3078	3366	3390	3104	3028
89F00176	2	2896	3310	3389	3340	3600	3688	3615	3694
89F00257	2						3258	3162	3199
Mean		2896	3189	3242	3292	3547	3517	3439	3429
Std Dev			144	142	175	130	190	301	296
SEM			72	71	88	65	85	135	132
89F00129	3		3092	3165	3224	3445	3386	3322	3222
89F00147	3	3044	2949	3036	3033	3144	3133	3171	3099
89F00154	3	3338	3516	3544	3715	3825	3797	3632	
89F00172	3	3215	3334	3556	3698	3810	4047	3871	3861
89F00173	3	3132	3158	3170	3384	3427	3498	3071	2922
Mean		3182	3210	3294	3411	3530	3572	3413	3276
Std Dev		125	220	240	297	288	357	332	409
SEM		63	98	107	133	129	160	149	204

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-5	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Males					
89F00127	4		3105	3245	3295	3491	3445	3424	3324
89F00131	4		3224	3313	3302	3427	3545	3250	3243
89F00157	4	2982	3129	3332	3369	3585	3599	3189	3069
89F00169	4	3317	3403	3355	3625	3720	3594	3393	3383
89F00258	4						2828	2665	2268
Mean		3150	3215	3311	3398	3556	3402	3184	3057
Std Dev		237	135	47	155	127	327	306	457
SEM		168	68	24	78	64	146	137	204
89F00116	5		3478	3503	3649	3821	3916	3999	3896
89F00128	5		3126	3150	3409	3447	3363	3998	3216
89F00148	5	3374	3480	3557	3685	3808	3892	3499	3486
89F00259	5						3207	3068	2861
89F00261	5						3028	2846	2819
Mean		3374	3361	3403	3581	3692	3481	3482	3256
Std Dev			204	221	150	212	404	527	450
SEM			118	128	87	123	181	236	201
89F00120	6		3151	3352	3445	3664	3604	3594	3478
89F00143	6		3241	3398	3491	3729	3648	3431	3591
89F00149	6	3477	3313	3516	3676	3721	3877	3627	3486
89F00177	6	3478	3588	3708	3728	3919	3996	3933	3784
89F00263	6						2807	2600	2427
Mean		3478	3323	3494	3585	3758	3586	3437	3353
Std Dev		1	189	159	138	111	465	502	532
SEM		1	94	79	69	56	208	224	238

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-5	WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Males					
89F00115	7		3291	3499	3516	3661	3659	3559	3557
89F00137	7		3310	3362	3452	3555	3585	3632	3863
89F00164	7	3118	3287	3241	3368	3424	3429	3262	3039
89F00171	7	3104	3550	3349	3463	3489	3576	3440	3225
89F00264	7						2953	3209	2972
Mean		3111	3360	3363	3450	3532	3440	3420	3331
Std Dev		10	127	106	61	101	285	183	374
SEM		7	64	53	31	51	127	82	167
89F00125	8		3290	3362	3315	3526	3602	3695	3647
89F00145	8		3202	3201	3243	3352	3202	3338	3301
89F00158	8	3133	3342	3329	3413	3659	3912	3661	
89F00165	8	3521	3565	3638	3807	3908	3986	3625	3447
89F00266	8						2965		
Mean		3327	3350	3383	3445	3611	3533	3580	3465
Std Dev		274	155	184	252	234	443	164	174
SEM		194	77	92	126	117	198	82	100
89F00121	9		3234	3333	3389	3601	3680	3722	3783
89F00139	9		3038	3132	3187	3358	3395	3374	3564
89F00151	9	3126	3261	3239	3448	3586	3865	3251	3491
89F00156	9	3457	3673	3791	3882	4091	4311	4226	4047
89F00267	9						3101	2873	2647
Mean		3292	3302	3374	3477	3659	3670	3489	3506
Std Dev		234	267	290	293	309	461	512	527
SEM		166	133	145	146	154	206	229	236

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Females				
89F00350	10		3143	3141	3290	3256	3409	3402
89F00351	10		3098	3199	3324	3294	3456	3510
89F00364	10	2920	2899	3089	3167	3134	3200	3288
89F00373	10	2801	2843	3007	3210	3156	3107	3010
89F00381	10	3076	3152	3304	3410	3367	3740	3897
Mean		2932	3027	3148	3280	3241	3382	3421
Std Dev		138	145	112	96	97	247	325
SEM		80	65	50	43	43	110	145

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Females				
89F00338	1		2737	2828	2844	2809	3128	3162
89F00339	1		3023	3108	3184	3232	3394	3336
89F00352	1		3167	3247	3226	3251	3189	3541
89F00369	1	3016	2844	3082	3190	3120	3103	3346
89F00377	1	2913	3022	3126	3370	3309	3446	3579
Mean		2965	2959	3078	3163	3144	3252	3393
Std Dev		73	169	154	193	200	158	170
SEM		52	75	69	87	89	70	76
89F00337	2		2705	2824	2989	2811	2949	3046
89F00358	2		2791	2869	3062	2864	2692	2776
89F00371	2	3035	3194	3328	3436	3334	3285	2808
89F00389	2	3275	3323	3423		3568	3566	3568
89F00391	2		2816	2840	2923	3087	2856	3152
Mean		3155	2966	3057	3102	3133	3070	3070
Std Dev		170	274	293	229	319	352	320
SEM		120	123	131	115	143	157	143
89F00348	3		2598	2802	2991	3038	3187	3113
89F00355	3		3213	3278	3368	3442	3318	3331
89F00368	3	2933	2899	3082	3124	3016	3233	3388
89F00370	3	2976	2893	3203	3296	3364	3515	3562
89F00383	3	2614	2689	2866	2949	2967	2750	2507
Mean		2841	2858	3046	3146	3165	3201	3180
Std Dev		198	237	207	184	220	281	409
SEM		114	106	93	82	98	126	183

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Females				
89F00345	4		3028	3076	3268	3226	3391	3387
89F00354	4		2723	2772	2850	3030	3074	3315
89F00374	4	3002	3012	3010	3059	2914	3063	3137
89F00380	4	2854	2971	3004	3094	3053	3094	3037
89F00387	4	3244	3307	3346	3496	3357	3400	3382
Mean		3033	3008	3042	3153	3116	3204	3252
Std Dev		197	208	206	242	175	175	157
SEM		114	93	92	108	78	78	70
89F00341	5		3028	3048	3141	3195	3005	3048
89F00347	5		2943	3118	3229	3309	3382	3366
89F00360	5		2860	2863	2951	2981	3047	3229
89F00375	5	2845	2748	2922	3032	3165	3391	3200
89F00394	5	3150	3358	3502		3533	3459	3746
Mean		2998	2987	3091	3088	3237	3257	3318
Std Dev		216	232	251	122	203	213	265
SEM		153	104	112	61	91	95	118
89F00343	6		2770	2933	3176	3180	3331	3417
89F00357	6		3078	3032	3297	3342	3337	3647
89F00362	6		2879	2876	3007	2965	2859	3167
89F00363	6	3259	3309	3433	3651	3620		
89F00379	6	3151	3130	3411	3387	3340	3112	2763
Mean		3205	3033	3137	3304	3289	3160	3249
Std Dev		76	212	266	241	241	226	378
SEM		54	95	119	108	108	113	189

Appendix E (cont.): BODY WEIGHTS (grams)

Animal Number	Group	Study Day WK-4	WK-3	WK-2	WK-1	Day-1	Day 7	Day 14
				Females				
89F00344	7		3200	3268	3424	3449	3598	3745
89F00353	7		3307	3373	3512	3611	3692	3822
89F00366	7	3083	3156	3302	3436	3347	3552	3521
89F00372	7	2659	2715	2932	3100	3264	3484	3339
89F00390	7	2930	3057	3254		3371	3264	3418
Mean		2891	3087	3226	3368	3408	3518	3569
Std Dev		215	227	171	183	131	161	208
SEM		124	101	76	91	59	72	93
89F00346	8		2956	2945	3071	3133	3282	3140
89F00359	8		2810	2828	2852	2946	2989	2898
89F00365	8	2723	2643	2918	3017	3093	3416	3304
89F00392	8	3216	3237	3455		3480	3071	2820
89F00393	8	2684	2827	2972		3098	3194	3223
Mean		2874	2895	3024	2980	3150	3190	3077
Std Dev		297	221	247	114	198	169	209
SEM		171	99	111	66	89	76	94
89F00340	9		3118	3271	3333	3267	3510	3536
89F00349	9		2764	2811	2943	2969	3094	3047
89F00356	9		3041	3108	3136	3061	3217	3315
89F00367	9	2784	2746	3057	3165	3169	3328	3502
89F00384	9	3135	3048	3123	3259	3201	3309	3016
Mean		2960	2943	3074	3167	3133	3292	3283
Std Dev		248	175	167	148	118	153	245
SEM		176	78	75	66	53	69	110

Appendix F: WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00124	M	10		287	239	263	192	163	93	203	168	80	87	187
89F00136	M	10	417	415	364	146	230	293	297	205	84	62	35	136
89F00142	M	10	366	281	276	231	358	419	308	377	275	217	298	150
89F00168	M	10		357	426	398	256	453	394	225	309	153	206	151
89F00175	M	10	346	303	312	127	246	108	119	66	100	105	73	111
Mean			376.3	328.6	323.4	233.0	256.4	287.2	242.2	215.2	187.2	123.4	139.8	147.0
Std Dev			36.6	56.8	73.6	108.3	61.8	152.0	130.2	110.4	101.4	62.5	109.1	27.6
SEM			21.1	25.4	32.9	48.4	27.6	68.0	58.2	49.4	45.4	28.0	48.8	12.3

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00126	M	1		306	293	406	458	380	481	395	369	363	309	269
89F00130	M	1	122	269	77	193	268	265	355	330	314	325	251	256
89F00140	M	1	309	376	446	401	425	316	339	409	386	142	228	119
89F00155	M	1	418	411	286	435	428	394	399	369	354	385	301	173
89F00166	M	1	388	349	331	294		459		438	359	211	340	303
Mean			309.3	342.2	286.6	345.8	394.8	362.8	393.5	388.2	356.4	285.2	285.8	224.0
Std Dev			133.0	56.1	133.6	100.8	85.8	74.6	63.6	41.0	26.7	104.4	45.4	75.7
SEM			66.5	25.1	59.7	45.1	42.9	33.4	31.8	18.3	11.9	46.7	20.3	33.8
89F00118	M	2		322	300	176	435	314	512	366	351	398	351	337
89F00132	M	2	274		216	197		464	471		315	457	394	281
89F00141	M	2	204	219	364	250	228	169	213	217	177	179	206	461
89F00176	M	2	334	392	245	237	486	369	415	403	367	411	394	353
89F00257	M	2			443	443	283	382	294	288	359	317	228	199
Mean			270.7	311.0	313.6	260.6	358.0	339.6	381.0	318.5	313.8	352.4	314.6	326.2
Std Dev			65.1	87.0	91.8	106.2	122.3	109.4	124.7	82.9	79.0	109.3	91.1	96.5
SEM			37.6	50.2	41.0	47.5	61.1	48.9	55.8	41.5	35.3	48.9	40.8	43.1
89F00129	M	3		261	269	162	274	260	276	229	273	264	256	525
89F00147	M	3	167	162	130	153	370	357	582	404	392	409	449	240
89F00154	M	3	302	290	170	399	365	372	317	211	226	305	297	
89F00172	M	3	326	273	261	393	905	740	739	693	446	458	417	332
89F00173	M	3	283	340	289	433	506	340	380	467	161	213	310	324
Mean			269.5	265.2	223.8	308.0	484.0	413.8	458.8	400.8	299.6	329.8	345.8	355.3
Std Dev			70.6	65.1	69.6	138.3	249.5	187.4	195.8	197.0	117.6	101.6	82.8	120.6
SEM			35.3	29.1	31.1	61.8	111.6	83.8	87.6	88.1	52.6	45.4	37.0	60.3

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00127	M	4		328	395	249	405	316	342	361	361	373	284	210
89F00131	M	4	325	338	476	459	440	495	432	446	403	182	383	207
89F00157	M	4	375	436	389	472	353	442	444	464	434	374	431	374
89F00169	M	4	291	251	217	431	170	234	275	231	215	214	290	223
89F00258	M	4			190	190	433	454	696	588	482	176	315	60
Mean			330.3	338.3	333.4	360.2	360.2	388.2	437.8	418.0	379.0	263.8	340.6	214.8
Std Dev			42.3	75.9	123.8	131.0	111.7	109.1	160.0	132.3	101.8	101.2	64.0	111.2
SEM			24.4	37.9	55.4	58.6	50.0	48.8	71.6	59.2	45.5	45.2	28.6	49.7
89F00116	M	5		371	379	398	459	590	537	430	437	349	371	232
89F00128	M	5		426		185	318	350	314	295	349	361	274	360
89F00148	M	5	336	285	223	294	381	751	632	602	425	456	468	100
89F00259	M	5			212	212	437	436	282	328	346	269	311	281
89F00261	M	5			418	418	433	452	264	389	430	371	429	343
Mean			336.0	360.7	308.0	301.4	405.6	515.8	405.8	408.8	397.4	361.2	370.6	263.2
Std Dev			-	71.1	105.8	105.5	56.7	157.1	167.5	120.0	45.8	66.6	80.3	104.5
SEM			-	41.0	52.9	47.2	25.4	70.3	74.9	53.7	20.5	29.8	35.9	46.7
89F00120	M	6		337	308	302	481	624	468	426	395	390	352	376
89F00143	M	6	406	412	162	130	496	547	417	426	465	347	394	480
89F00149	M	6	430	350	269	279	434	872	907	861	840	447	806	383
89F00177	M	6	421	419	435	425	641	469	520	520	442	607	529	404
89F00263	M	6			255	255	460	423	64	177	249	271	275	227
Mean			419.0	379.5	285.8	223.8	502.4	587.0	475.2	482.0	478.2	412.4	471.2	374.0
Std Dev			12.1	42.0	99.1	77.4	80.9	176.8	300.4	247.2	219.0	126.3	208.6	92.0
SEM			7.0	21.0	44.3	34.6	36.2	79.1	134.3	110.5	97.9	56.5	93.3	41.1

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00115	M	7		312	112	186	204	175	145	161	151	179	157	71
89F00137	M	7	221	261	245	255	339	315	259	265	195	232	234	157
89F00164	M	7	248	221	145	409	449	486	211	159	200	218	287	70
89F00171	M	7	241		231	411	459	210	189	184	129	149	163	56
89F00264	M	7			248	248	224	279	201	177	249	208	155	199
Mean			236.7	264.7	196.2	301.8	335.0	293.0	201.0	189.2	184.8	197.2	199.2	110.6
Std Dev			14.0	45.6	63.2	102.4	120.3	121.2	41.1	43.7	46.7	33.2	59.1	63.6
SEM			8.1	26.3	28.3	45.8	53.8	54.2	18.4	19.5	20.9	14.9	26.4	28.4
89F00125	M	8		374	271	226	207	265		192	164	210	172	81
89F00145	M	8	161	181	311	164	315	351	237	306	201	456	224	187
89F00158	M	8	248	409	333	181	222	199		265		394	205	
89F00165	M	8	401	378	376	424	420	324	380	279	243	270	286	298
89F00266	M	8			312	312	439	383	91	0	1	96	243	
Mean			270.0	335.5	320.6	261.4	320.6	304.4	236.0	208.4	152.3	285.2	226.0	188.7
Std Dev			121.5	104.2	38.2	107.5	107.9	73.1	144.5	123.9	105.9	143.8	42.6	108.5
SEM			70.1	52.1	17.1	48.1	48.2	32.7	83.4	55.4	52.9	64.3	19.0	62.6
89F00121	M	9		319	265	461	336	292	146	294	244	216	243	195
89F00139	M	9	228	261	469	349	244	224	137	164	142	143	138	161
89F00151	M	9	323	310	364	458	293	150	175	247	104	191	69	40
89F00156	M	9	402	380	253	259	235	396	203	82	121	250	141	133
89F00267	M	9			375	297	331	230	94	146	149	83	206	281
Mean			317.7	317.5	345.2	364.8	287.8	258.4	151.0	186.6	152.0	176.6	159.4	162.0
Std Dev			87.1	48.8	88.7	92.2	47.2	91.9	41.1	84.1	54.4	65.3	67.3	88.0
SEM			50.3	24.4	39.7	41.2	21.1	41.1	18.4	37.6	24.3	29.2	30.1	39.4

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00350	F	10		241	311	202	134	205	254	154	369	188	175	184
89F00351	F	10		245	217	224	181	210	142	160	136	145	160	133
89F00364	F	10	186	220	210	147	152	93	209	212	197	214	179	151
89F00373	F	10	206	193		238	207	64	122	175	207	112	233	48
89F00381	F	10	193	235	121	237	242	314	199	224	259	278	222	165
Mean			195.0	226.8	214.8	209.6	183.2	177.2	185.2	185.0	233.6	187.4	193.8	136.2
Std Dev			10.1	21.1	77.6	37.9	43.1	100.6	53.3	31.4	87.4	64.0	31.8	52.7
SEM			5.9	9.5	38.8	16.9	19.3	45.0	23.8	14.0	39.1	28.6	14.2	23.6

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00338	F	1		223	209	379	334	364	366	246	221	251	213	231
89F00339	F	1		290	446	398	331	430	369	426	466	451	300	348
89F00352	F	1		245	217	243	435	412	417	311	310	282	317	445
89F00369	F	1	173	223	221	145	254	170	153	144	161	127	288	149
89F00377	F	1	196	230	231	218	327	313	250	260	145	235	129	115
Mean			184.5	242.2	264.8	276.6	336.2	337.8	311.0	277.4	260.6	269.2	249.4	257.6
Std Dev			16.3	28.2	101.6	108.5	64.5	104.2	107.6	102.8	131.8	117.2	78.2	138.0
SEM			11.5	12.6	45.4	48.5	28.8	46.6	48.1	46.0	58.9	52.4	35.0	61.7
89F00337	F	2		242	275	200	278	441	460	381	376	344	330	280
89F00358	F	2		233	224	134	211	202	203	164	168	189	196	197
89F00371	F	2	334	363	259	148	260	308	277	34	182	189	245	28
89F00389	F	2	287	312	291	436	644	447	462	597	376	151	275	264
89F00391	F	2		223	219	198	192	266	281	347	278	250	261	278
Mean			310.5	274.6	253.6	223.2	317.0	332.8	336.6	304.6	276.0	224.6	261.4	209.4
Std Dev			33.2	60.6	31.5	122.5	186.1	108.3	117.7	215.7	100.6	75.6	48.6	106.9
SEM			23.5	27.1	14.1	54.8	83.2	48.4	52.7	96.5	45.0	33.8	21.7	47.8
89F00348	F	3		244	217	297	350	428	413	434	445	436	424	435
89F00355	F	3		212	258	241	163	148	274	207	373	303	338	358
89F00368	F	3	233	227	216	167	364	292	325	301	308	313	354	298
89F00370	F	3	173	223	221	180	349	340	394	326	312	287	310	309
89F00383	F	3	181	216	220	294	359	317	388	277	195	186	179	149
Mean			195.7	224.4	226.4	235.8	317.0	305.0	358.8	309.0	326.6	305.0	321.0	309.8
Std Dev			32.6	12.4	17.8	61.3	86.3	101.6	57.8	82.8	92.3	89.0	89.8	104.9
SEM			18.8	5.6	8.0	27.4	38.6	45.5	25.8	37.0	41.3	39.8	40.2	46.9

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00345	F	4		203	205	234	316	339	421	344	345	355	301	367
89F00354	F	4		187	229	299	369	214	317	301	347	235	184	204
89F00374	F	4	206	193		352	449	462	428	380	428	512	457	439
89F00380	F	4		230	220	233	305	336	280	283	283	276	259	205
89F00387	F	4	220	213	363	433	448	460	391	343	602	314	446	148
Mean			213.0	205.2	254.3	310.2	377.4	362.2	367.4	330.2	401.0	338.6	329.4	272.6
Std Dev			9.9	17.0	73.2	84.7	69.3	103.3	65.7	38.5	123.6	106.5	119.1	123.9
SEM			7.0	7.6	36.6	37.9	31.0	46.2	29.4	17..	55.3	47.6	53.3	55.4
89F00341	F	5		321	263	166	51	167	186	165	191	258	310	329
89F00347	F	5		226	217	267	345	409	360	145	277	443	436	448
89F00360	F	5		215	215	267	437	334	356	379	340	376	374	323
89F00375	F	5	203	231	232	153	413	489	441	437	435	331	399	247
89F00394	F	5	299	299	293	256	422	465	188	373	331	394	371	493
Mean			251.0	258.4	244.0	221.8	333.6	372.8	306.2	299.8	314.8	360.4	378.0	368.0
Std Dev			67.9	48.1	33.5	57.2	161.9	129.6	114.0	134.7	89.6	69.9	46.1	100.3
SEM			48.0	21.5	15.0	25.6	72.4	58.0	51.0	60.2	40.1	31.3	20.6	44.8
89F00343	F	6		268	237	216	351	418	451	412	385	411	391	439
89F00357	F	6		233	224	273	439	428	368	375	282	413	389	464
89F00362	F	6		228	226	301	457	354	316	392	352	332	358	400
89F00363	F	6	341	466	418	269	453	6						
89F00379	F	6		230	220	274	445	437	364	370	271	314	290	189
Mean			341.0	285.0	265.0	266.6	429.0	328.6	374.8	387.3	322.5	367.5	357.0	373.0
Std Dev			-	102.5	85.8	31.0	44.2	183.3	56.1	19.0	55.0	51.9	47.2	125.5
SEM			-	45.8	38.4	13.9	19.7	82.0	28.0	9.5	27.5	26.0	23.6	62.7

Appendix F (cont.): WATER CONSUMPTION (ml/day)

Animal Number	Sex	Group	Study Day WK-3	WK-2	WK-1	0	1	2	3	4	5	6	7	14
89F00344	F	7		203	205	302	141	296	325	329	363	390	255	302
89F00353	F	7		187	229	275	181	299	231	266	228	160	191	361
89F00366	F	7	302	250	254	424	459	237	277	112	152	164	212	284
89F00372	F	7	308	490	398	399	273	217	239	184	189	187	267	152
89F00390	F	7	360	383	340	310	333	243	178	117	68	245	185	157
Mean			323.3	302.6	285.2	342.0	277.4	258.4	250.0	201.6	200.0	229.2	222.0	251.2
Std Dev			31.9	130.0	81.1	65.4	126.5	37.0	54.8	94.7	108.6	96.1	37.2	92.8
SEM			18.4	58.2	36.3	29.2	56.6	16.5	24.5	42.4	48.6	43.0	16.6	41.5
89F00346	F	8		226	217	220	108	196	181	99	162	186	151	130
89F00359	F	8		215	215	230	382	235	298	243	256	168	54	135
89F00365	F	8	186	220	210	293	363	355	272	225	351	372	368	317
89F00392	F	8	223	219	224	324	188	158	113	138	56	19	75	9
89F00393	F	8	198	248	270	196	226	131	308	173	141	155	194	28
Mean			202.3	225.6	227.2	252.6	253.4	215.0	234.4	175.6	193.2	180.0	168.4	123.8
Std Dev			18.9	13.1	24.4	53.6	117.0	87.6	84.4	59.7	113.3	126.1	125.1	122.3
SEM			10.9	5.9	10.9	24.0	52.3	39.2	37.7	26.7	50.7	56.4	56.0	54.7
89F00340	F	9		202	248	198	52	184	144	190	150	155	152	122
89F00349	F	9		244	217	343	305	285	278	193	224	253	220	258
89F00356	F	9		212	258	237	240	205	145	167	125	186	173	137
89F00367	F	9	233	227	216	158	201	201	157	163	125	125	189	159
89F00384	F	9	181	216	220	362	259	273	228	294	346	318	371	91
Mean			207.0	220.2	231.8	259.6	211.4	229.6	190.4	201.4	194.0	207.4	221.0	153.4
Std Dev			36.8	16.0	19.7	89.5	96.6	46.0	60.0	53.5	94.2	78.0	87.4	63.5
SEM			26.0	7.2	8.8	40.0	43.2	20.6	26.8	23.9	42.1	34.9	39.1	28.4

Appendix G: SERUM CHEMISTRY

List of Serum Chemistry Abbreviations/Units

ALT	Alanine Aminotransferase (U/l)
AST	Aspartate Aminotransferase (U/l)
ALK	Alkaline Phosphatase (U/l)
LDH	Lactate Dehydrogenase (U/l)
GGT	Gamma Glutamyl Transpeptidase (U/l)
CK	Creatine Phosphokinase (U/l)
BILI	Total Bilirubin (mg/dl)
CHOL	Cholesterol (mg/dl)
TRIG	Triglyceride (mg/dl)
URIC	Uric Acid (mg/dl)
TP	Total Protein (g/dl)
ALB	Albumin (g/dl)
A-G	Albumin/Globulin Ratio
GLU	Glucose (mg/dl)
BUN	Blood Urea Nitrogen (mg/dl)
CR	Creatinine (mg/dl)
CAL	Calcium (mg/dl)
PHOS	Phosphorus (mg/dl)
NA	Sodium (Meq/l)
CL	Chloride (Meq/l)
K	Potassium (Meq/l)
IRON	Iron (µg/dl)
MAG	Magnesium (mg/dl)
NT	Not Taken

Appendix G (con't.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	-7	38.6	13.0	79.8	55.5	3.7	445.1	0.0	24.1
89F00136	M	10	-7	56.1	16.0	94.3	120.9	5.6	860.7	0.0	17.4
89F00142	M	10	-7	34.5	10.8	120.2	65.6	7.9	395.5	0.0	14.8
89F00168	M	10	-7	62.4	34.9	150.9	169.0	4.7	880.5	0.0	24.5
89F00175	M	10	-7	55.9	28.3	66.3	294.9	9.3	992.8	0.0	90.0
Mean				49.50	20.60	102.30	141.18	6.24	714.9	0.00	34.16
Std Dev				12.19	10.47	33.72	97.30	2.31	274.2	0.00	31.50
SEM				5.45	4.68	15.08	43.51	1.03	122.6	0.00	14.09

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	-7	35.0	18.9	24.3	67.9	4.1	560.6	0.0	16.6
89F00130	M	1	-7	37.8	11.2	127.1	55.9	3.4	769.7	0.0	21.4
89F00140	M	1	-7	38.6	9.5	69.0	76.1	5.9	372.6	0.0	39.7
89F00155	M	1	-7	33.2	19.5	74.4	100.6	9.8	1163.2	0.0	33.7
89F00166	M	1	-7	75.0	31.1	57.6	257.9	7.1	1119.9	0.0	30.2
Mean				43.92	18.04	70.48	111.68	6.06	797.2	0.00	28.32
Std Dev				17.51	8.56	37.15	83.36	2.55	344.7	0.00	9.32
SEM				7.83	3.83	16.62	37.28	1.14	154.1	0.00	4.17
89F00118	M	2	-7	36.1	10.4	116.3	56.1	7.4	579.5	0.0	44.7
89F00132	M	2	-7	65.6	23.5	109.0	42.1	4.6	267.9	0.0	33.6
89F00141	M	2	-7	48.3	12.4	79.5	131.9	6.0	590.7	0.0	40.4
89F00176	M	2	-7	79.7	23.6	191.9	262.8	8.8	1516.5	0.0	29.4
89F00257	M	2	-7	71.2	20.6	78.7	193.7	8.5	899.7	0.0	39.7
Mean				60.18	18.10	115.08	137.32	7.06	770.9	0.00	37.56
Std Dev				17.70	6.27	46.18	93.03	1.76	472.9	0.00	6.04
SEM				7.91	2.81	20.65	41.60	0.79	211.5	0.00	2.70
89F00129	M	3	-7	42.4	10.5	89.4	67.3	6.1	337.9	0.0	24.6
89F00147	M	3	-7	120.9	32.1	131.1	75.0	24.5	334.8	0.0	59.2
89F00154	M	3	-7	33.5	24.6	54.1	221.2	6.5	8091.7	0.0	89.5
89F00172	M	3	-7	50.6	16.7	59.4	211.1	9.0	1238.6	0.0	28.9
89F00173	M	3	-7	32.4	17.4	134.0	176.7	9.3	929.2	0.1	80.7
Mean				55.96	20.26	93.60	150.26	11.08	2186.5	0.02	56.58
Std Dev				37.05	8.29	38.03	74.13	7.64	3324.0	0.04	29.42
SEM				16.57	3.71	17.01	33.15	3.42	1486.6	0.02	13.16

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	-7	34.5	11.6	79.1	78.6	4.6	323.7	0.0	41.3
89F00131	M	4	-7	36.0	10.9	69.1	102.5	5.2	438.6	0.0	31.7
89F00157	M	4	-7	50.0	16.5	80.3	116.6	5.3	561.0	0.0	24.3
89F00169	M	4	-7	79.6	23.0	78.5	172.7	7.3	772.4	0.0	38.5
89F00258	M	4	-7	55.2	17.7	93.7	128.6	6.7	577.6	0.0	36.5
Mean				51.06	15.94	80.14	119.80	5.82	534.7	0.00	34.46
Std Dev				18.26	4.94	8.80	34.94	1.13	167.9	0.00	6.67
SEM				8.17	2.21	3.93	15.63	0.51	75.1	0.00	2.98
89F00116	M	5	-7	49.3	16.7	140.8	128.0	4.3	1057.1	0.0	24.5
89F00128	M	5	-7	49.0	11.1	156.9	58.5	9.5	235.5	0.0	29.7
89F00148	M	5	-7	35.5	27.5	39.1	238.3	6.3	4864.2	0.0	31.6
89F00259	M	5	-7	30.2	18.2	84.1	148.8	4.8	962.0	0.0	42.1
89F00261	M	5	-7	32.8	13.2	211.2	65.8	6.7	343.4	0.0	49.0
Mean				39.36	17.34	126.42	127.88	6.32	1492.4	0.00	35.38
Std Dev				9.13	6.33	66.59	72.97	2.04	1919.6	0.00	9.94
SEM				4.08	2.83	29.78	32.63	0.91	858.5	0.00	4.45
89F00120	M	6	-7	46.5	12.0	85.2	137.8	4.6	794.2	0.0	33.1
89F00143	M	6	-7	54.2	13.7	79.7	123.4	4.9	570.2	0.0	17.2
89F00149	M	6	-7	39.1	28.1	116.9	341.2	7.7	3820.4	0.0	32.8
89F00177	M	6	-7	58.4	26.0	57.0	227.5	9.1	980.7	0.0	22.8
89F00263	M	6	-7	53.3	28.3	229.2	447.4	7.2	626.7	0.0	34.0
Mean				50.30	21.62	113.60	255.46	6.70	1358.4	0.00	27.98
Std Dev				7.58	8.08	68.07	138.07	1.91	1385.6	0.00	7.56
SEM				3.39	3.61	30.44	61.75	0.86	619.6	0.00	3.38

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	-7	69.1	31.8	112.8	159.9	5.1	1732.2	0.0	24.0
89F00137	M	7	-7	25.3	11.6	119.7	65.0	6.2	333.4	0.0	31.0
89F00164	M	7	-7	33.2	19.8	80.3	242.4	7.6	1224.1	0.0	35.6
89F00171	M	7	-7	28.0	15.6	146.2	131.1	8.1	626.5	0.0	48.2
89F00264	M	7	-7	35.4	8.0	128.5	52.6	6.4	240.8	0.0	29.8
Mean				38.20	17.36	117.50	130.20	6.68	831.4	0.00	33.72
Std Dev				17.73	9.20	24.27	77.05	1.19	633.3	0.00	9.09
SEM				7.93	4.11	10.85	34.46	0.53	283.2	0.00	4.06
89F00125	M	8	-7	66.3	20.9	92.9	72.4	6.6	643.8	0.0	29.4
89F00145	M	8	-7	35.0	12.4	117.2	40.0	9.7	228.4	0.0	27.1
89F00158	M	8	-7	61.4	26.6	66.6	385.6	5.8	696.2	0.0	31.3
89F00165	M	8	-7	37.9	20.8	78.6	214.8	8.9	1186.0	0.0	44.4
89F00266	M	8	-7	53.7	13.4	112.5	58.2	5.8	451.6	0.0	40.7
Mean				50.86	18.82	93.56	154.20	7.36	641.2	0.00	34.58
Std Dev				13.94	5.90	21.61	146.77	1.82	355.7	0.00	7.54
SEM				6.23	2.64	9.67	65.64	0.82	159.1	0.00	3.37
89F00121	M	9	-7	54.7	13.6	108.8	135.3	4.6	640.6	0.0	25.9
89F00139	M	9	-7	40.7	17.1	77.3	133.9	5.8	739.2	0.0	19.4
89F00151	M	9	-7	27.4	13.0	68.9	159.3	6.2	2327.3	0.0	26.0
89F00156	M	9	-7	26.1	22.1	81.2	381.9	2.8	1543.1	0.0	23.1
89F00267	M	9	-7	22.4	23.1	99.3	187.6	6.7	609.1	0.0	54.0
Mean				34.26	17.78	87.10	199.60	5.22	1171.9	0.00	29.68
Std Dev				13.36	4.68	16.45	104.23	1.56	751.5	0.00	13.86
SEM				5.97	2.09	7.35	46.61	0.70	336.1	0.00	6.20

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	-7	68	0.3	5.5	3.8	2.2	127.8	16.9	1.0
89F00136	M	10	-7	73	0.0	6.0	4.4	2.6	136.6	21.4	1.1
89F00142	M	10	-7	43	0.0	5.4	3.9	2.6	125.1	19.1	0.8
89F00168	M	10	-7	46	0.0	5.6	4.5	4.1	113.5	19.5	1.4
89F00175	M	10	-7	71	0.0	6.0	5.1	5.7	110.6	20.1	1.1
Mean				60.2	0.06	5.70	4.34	3.44	122.72	19.40	1.08
Std Dev				14.5	0.13	0.28	0.52	1.46	10.68	1.65	0.22
SEM				6.5	0.06	0.13	0.23	0.65	4.78	0.74	0.10

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	-7	93	0.4	4.9	3.6	2.8	117.0	18.8	1.1
89F00130	M	1	-7	41	0.4	5.6	4.1	2.8	114.6	20.7	0.9
89F00140	M	1	-7	84	0.3	5.9	4.1	2.3	143.5	19.2	0.9
89F00155	M	1	-7	35	0.1	5.8	4.6	4.0	100.1	21.6	0.9
89F00166	M	1	-7	68	0.1	6.7	5.0	2.9	80.7	25.9	0.9
Mean				64.2	0.26	5.78	4.28	2.96	111.18	21.24	0.94
Std Dev				25.6	0.15	0.65	0.54	0.63	23.14	2.84	0.09
SEM				11.5	0.07	0.29	0.24	0.28	10.35	1.27	0.04
89F00118	M	2	-7	64	0.4	5.7	4.0	2.4	113.6	22.9	1.0
89F00132	M	2	-7	34	0.4	5.6	4.1	2.8	131.0	14.5	1.1
89F00141	M	2	-7	126	0.4	5.9	4.3	2.7	127.4	20.1	1.1
89F00176	M	2	-7	53	0.0	6.1	4.8	3.7	102.1	24.0	1.0
89F00257	M	2	-7	52	0.1	5.9	4.2	2.3	114.2	19.9	1.1
Mean				65.8	0.26	5.84	4.28	2.78	117.66	20.28	1.06
Std Dev				35.3	0.19	0.19	0.31	0.55	11.66	3.68	0.05
SEM				15.8	0.09	0.09	0.14	0.25	5.21	1.65	0.02
89F00129	M	3	-7	48	0.4	6.2	4.3	2.2	139.1	21.7	1.0
89F00147	M	3	-7	89	0.2	6.1	4.2	2.3	139.0	18.8	1.4
89F00154	M	3	-7	45	0.0	6.6	4.8	2.7	119.2	17.4	0.9
89F00172	M	3	-7	57	0.1	5.4	4.3	3.7	91.6	22.6	1.0
89F00173	M	3	-7	605	0.0	6.2	4.8	3.4	114.6	26.0	0.9
Mean				168.8	0.14	6.10	4.48	2.86	120.70	21.30	1.04
Std Dev				244.5	0.17	0.44	0.29	0.67	19.75	3.37	0.21
SEM				109.3	0.07	0.19	0.13	0.30	8.83	1.51	0.09

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	-7	88	0.4	6.1	4.2	2.3	140.7	20.7	1.1
89F00131	M	4	-7	95	0.0	5.9	4.6	3.5	128.6	21.9	1.0
89F00157	M	4	-7	65	0.0	5.8	4.2	2.6	125.3	25.0	1.1
89F00169	M	4	-7	67	0.0	6.0	4.3	2.6	108.6	23.4	1.3
89F00258	M	4	-7	99	0.1	5.6	4.1	2.7	132.1	17.4	1.0
Mean				82.8	0.10	5.88	4.28	2.74	127.06	21.68	1.10
Std Dev				15.8	0.17	0.19	0.19	0.45	11.81	2.89	0.12
SEM				7.1	0.08	0.09	0.09	0.20	5.28	1.29	0.05
89F00116	M	5	-7	79	0.2	6.4	4.5	2.5	115.6	23.3	0.7
89F00128	M	5	-7	62	0.4	5.5	4.2	3.3	161.2	25.0	1.2
89F00148	M	5	-7	86	0.0	5.7	4.7	4.6	268.2	17.0	0.9
89F00259	M	5	-7	103	0.1	6.0	4.3	2.7	125.1	14.0	1.1
89F00261	M	5	-7	199	0.0	5.6	4.2	2.9	138.9	17.7	1.1
Mean				105.8	0.14	5.84	4.38	3.20	161.80	19.40	1.00
Std Dev				54.1	0.17	0.36	0.22	0.84	61.90	4.59	0.20
SEM				24.2	0.07	0.16	0.10	0.37	27.68	2.05	0.09
89F00120	M	6	-7	68	0.4	5.8	4.4	2.9	123.8	24.0	0.9
89F00143	M	6	-7	72	0.4	6.3	4.7	3.1	127.8	18.1	1.1
89F00149	M	6	-7	46	0.0	6.2	5.2	5.4	116.8	15.6	0.9
89F00177	M	6	-7	69	0.0	6.0	4.8	3.8	107.5	20.2	1.1
89F00263	M	6	-7	94	0.1	5.3	4.3	4.3	134.6	19.7	1.0
Mean				69.8	0.18	5.92	4.68	3.90	122.10	19.52	1.00
Std Dev				17.0	0.20	0.40	0.36	1.01	10.40	3.08	0.10
SEM				7.6	0.09	0.18	0.16	0.45	4.65	1.38	0.04

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	-7	84	0.4	5.9	4.2	2.6	134.5	25.4	1.3
89F00137	M	7	-7	75	0.3	5.8	4.5	3.5	107.9	19.2	1.1
89F00164	M	7	-7	62	0.1	5.7	4.4	3.6	86.4	21.7	1.0
89F00171	M	7	-7	147	0.0	6.1	4.8	3.6	118.1	20.7	0.9
89F00264	M	7	-7	47	0.1	5.6	4.1	2.8	113.4	16.6	0.9
Mean				83.0	0.18	5.82	4.40	3.22	112.06	20.72	1.04
Std Dev				38.4	0.16	0.19	0.27	0.48	17.45	3.25	0.17
SEM				17.2	0.07	0.09	0.12	0.22	7.80	1.45	0.07
89F00125	M	8	-7	95	0.4	5.7	4.0	2.4	126.8	18.7	1.3
89F00145	M	8	-7	34	0.3	5.4	3.9	2.5	107.9	19.4	1.2
89F00158	M	8	-7	44	0.0	5.0	4.6	11.1	128.5	22.5	1.1
89F00165	M	8	-7	72	0.1	6.1	4.9	3.9	95.9	20.1	1.0
89F00266	M	8	-7	59	0.0	5.3	4.1	3.3	166.7	16.8	1.0
Mean				60.8	0.16	5.50	4.30	4.64	125.16	19.50	1.12
Std Dev				24.0	0.18	0.42	0.43	3.66	26.90	2.08	0.13
SEM				10.7	0.08	0.19	0.19	1.64	12.03	0.93	0.06
89F00121	M	9	-7	60	0.2	6.5	4.7	2.6	140.1	21.6	1.1
89F00139	M	9	-7	22	0.2	5.7	4.2	2.8	128.3	18.5	1.1
89F00151	M	9	-7	58	0.0	4.9	3.9	4.0	321.7	18.2	1.1
89F00156	M	9	-7	38	0.0	6.4	4.8	3.0	111.4	15.4	1.3
89F00267	M	9	-7	145	0.1	6.2	4.5	2.7	122.5	19.0	0.7
Mean				64.6	0.10	5.94	4.42	3.02	164.80	18.54	1.06
Std Dev				47.6	0.10	0.66	0.37	0.57	88.32	2.21	0.22
SEM				21.3	0.04	0.29	0.17	0.25	39.50	0.99	0.10

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	-7	12.9	4.4	139.2	104	4.5	182.9	1.57
89F00136	M	10	-7	14.0	4.1	146.0	120	5.0	233.7	1.91
89F00142	M	10	-7	13.3	4.1	147.0	108	4.7	169.0	1.91
89F00168	M	10	-7	14.4	4.1	152.1	110	4.4	438.9	1.91
89F00175	M	10	-7	15.2	4.5	149.7	112	4.8	244.8	2.24
Mean				13.96	4.24	146.80	110.8	4.68	253.86	1.908
Std Dev				0.91	0.19	4.87	5.9	0.24	108.36	0.237
SEM				0.41	0.09	2.18	2.7	0.11	48.46	0.106

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	-7	NT	3.4	133.8	98	24.0*	29.8	0.03*
89F00130	M	1	-7	13.2	4.1	139.4	106	4.4	123.6	1.72
89F00140	M	1	-7	14.1	4.8	146.4	108	4.4	188.5	1.76
89F00155	M	1	-7	14.5	4.7	148.5	115	4.1	205.4	2.01
89F00166	M	1	-7	14.8	3.6	150.8	113	4.4	180.3	2.01
Mean				14.15	4.12	143.78	108.0	4.33	145.52	1.875
Std Dev				0.70	0.63	7.02	6.7	0.15	71.61	0.157
SEM				0.35	0.28	3.14	3.0	0.07	32.03	0.078
89F00118	M	2	-7	14.5	5.1	147.9	111	4.3	135.1	1.86
89F00132	M	2	-7	13.3	5.3	148.3	113	4.1	169.3	1.86
89F00141	M	2	-7	13.9	4.8	147.3	108	5.0	186.4	1.81
89F00176	M	2	-7	14.1	1.9	148.6	114	4.6	220.8	1.99
89F00257	M	2	-7	15.3	4.9	151.6	117	4.8	194.7	1.78
Mean				14.22	4.40	148.74	112.6	4.56	181.26	1.860
Std Dev				0.74	1.41	1.67	3.4	0.36	31.80	0.080
SEM				0.33	0.63	0.75	1.5	0.16	14.22	0.036
89F00129	M	3	-7	14.2	5.3	145.8	110	4.7	268.5	1.79
89F00147	M	3	-7	15.0	5.5	147.3	110	6.1	175.4	2.13
89F00154	M	3	-7	14.3	4.5	153.2	117	4.0	301.3	1.64
89F00172	M	3	-7	14.7	2.7	147.0	116	4.6	261.3	1.66
89F00173	M	3	-7	15.0	3.8	147.3	110	4.0	198.3	1.98
Mean				14.64	4.36	148.12	112.6	4.68	240.96	1.840
Std Dev				0.38	1.15	2.91	3.6	0.86	52.28	0.211
SEM				0.17	0.51	1.30	1.6	0.38	23.38	0.094

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	-7	13.9	4.9	145.8	104	4.5	195.0	1.99
89F00131	M	4	-7	15.6	4.7	145.5	118	5.0	193.4	2.05
89F00157	M	4	-7	15.0	5.9	145.3	103	4.8	165.7	2.09
89F00169	M	4	-7	15.1	4.3	146.7	108	4.8	173.7	2.19
89F00258	M	4	-7	13.5	5.4	150.8	118	5.1	270.6	1.95
Mean				14.62	5.04	146.82	110.2	4.84	199.68	2.054
Std Dev				0.88	0.62	2.29	7.4	0.23	41.60	0.093
SEM				0.39	0.28	1.02	3.3	0.10	18.60	0.042
89F00116	M	5	-7	14.7	4.6	149.0	108	4.6	258.5	1.96
89F00128	M	5	-7	14.3	4.1	146.8	111	4.7	183.5	1.99
89F00148	M	5	-7	13.5	4.6	146.8	107	2.9	240.5	1.90
89F00259	M	5	-7	15.4	5.9	152.2	116	6.3	197.3	2.19
89F00261	M	5	-7	14.1	5.2	149.5	112	5.0	214.0	1.98
Mean				14.40	4.88	148.86	110.8	4.70	218.76	2.004
Std Dev				0.71	0.69	2.24	3.6	1.21	30.73	0.110
SEM				0.32	0.31	1.00	1.6	0.54	13.74	0.049
89F00120	M	6	-7	14.8	5.7	150.8	112	4.8	170.0	1.90
89F00143	M	6	-7	14.6	4.7	150.8	109	4.6	211.5	1.79
89F00149	M	6	-7	14.0	5.3	149.8	117	4.3	237.4	1.84
89F00177	M	6	-7	14.8	2.1	148.8	115	4.8	177.3	1.92
89F00263	M	6	-7	13.7	6.1	149.2	114	6.1	283.8	2.20
Mean				14.38	4.78	149.88	113.6	4.92	216.00	1.930
Std Dev				0.50	1.58	0.91	3.2	0.69	46.61	0.159
SEM				0.22	0.71	0.41	1.4	0.31	20.84	0.071

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	-7	14.9	3.9	147.1	108	5.3	159.1	1.93
89F00137	M	7	-7	13.7	4.5	147.8	109	4.5	208.1	1.98
89F00164	M	7	-7	14.6	3.4	148.3	115	4.5	238.0	2.05
89F00171	M	7	-7	15.4	3.4	145.9	111	4.3	164.8	1.95
89F00264	M	7	-7	14.5	5.3	147.7	107	4.6	175.7	1.44
Mean				14.62	4.10	147.36	110.0	4.64	189.14	1.870
Std Dev				0.62	0.81	0.92	3.2	0.38	33.25	0.245
SEM				0.28	0.36	0.41	1.4	0.17	14.87	0.109
89F00125	M	8	-7	14.7	4.7	145.3	110	5.6	238.6	1.96
89F00145	M	8	-7	13.5	5.4	145.0	108	4.5	188.0	2.03
89F00158	M	8	-7	14.7	4.7	146.4	109	6.7	287.4	2.10
89F00165	M	8	-7	14.9	4.1	147.3	114	3.8	197.0	1.56
89F00266	M	8	-7	14.5	4.5	146.7	112	4.6	180.2	1.79
Mean				14.46	4.68	146.14	110.6	5.04	218.24	1.888
Std Dev				0.55	0.47	0.97	2.4	1.13	44.75	0.216
SEM				0.25	0.21	0.43	1.1	0.50	20.01	0.097
89F00121	M	9	-7	14.4	5.0	153.7	106	4.6	189.4	2.14
89F00139	M	9	-7	13.9	4.3	148.8	111	4.5	146.8	1.97
89F00151	M	9	-7	12.3	4.5	147.5	109	3.4	138.6	2.06
89F00156	M	9	-7	14.9	5.2	151.3	110	4.2	168.8	2.02
89F00267	M	9	-7	14.4	4.9	151.6	110	5.4	284.1	1.71
Mean				13.98	4.78	150.58	109.2	4.42	185.54	1.980
Std Dev				1.00	0.37	2.45	1.9	0.72	58.55	0.163
SEM				0.45	0.17	1.09	0.9	0.32	26.19	0.073

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	0	42.4	19.8	57.2	124.2	3.[illegible]	1937.4	0.0	33.8
89F00136	M	10	0	50.7	25.2	54.5	83.5	5.2	1881.7	0.0	39.1
89F00142	M	10	0	49.9	27.1	82.0	344.7	8.7	2606.3	0.0	28.4
89F00168	M	10	0	67.9	18.6	65.8	97.1	3.7	2646.6	0.0	35.3
89F00175	M	10	0	62.2	11.2	46.5	42.0	4.8	1456.4	0.0	20.4
Mean				54.62	20.38	61.20	138.30	5.26	2105.7	0.00	31.40
Std Dev				10.26	6.25	13.52	119.14	2.02	510.7	0.00	7.25
SEM				4.59	2.79	6.04	53.28	0.90	228.4	0.00	3.24

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	0	51.7	35.5	40.8	235.6	0.4	6.0*	0.0	28.0
89F00130	M	1	0	32.6	10.6	67.8	84.0	4.7	1014.4	0.0	18.2
89F00140	M	1	0	43.0	16.9	40.2	155.8	5.9	1359.3	0.0	39.3
89F00155	M	1	0	31.9	19.5	61.0	169.0	8.3	2803.2	0.0	29.9
89F00166	M	1	0	56.6	14.1	42.3	81.5	4.8	1254.5	0.0	27.2
Mean				43.16	19.32	50.42	145.18	4.82	1607.8	0.00	28.52
Std Dev				11.09	9.63	13.01	64.53	2.86	809.9	0.00	7.53
SEM				4.96	4.31	5.82	28.86	1.28	404.9	0.00	3.37
89F00118	M	2	0	32.3	13.8	75.9	135.6	6.3	1461.4	0.0	38.2
89F00132	M	2	0	33.8	12.0	39.6	65.8	4.3	1038.5	0.0	36.4
89F00141	M	2	0	63.5	21.9	52.6	358.2	6.8	2245.9	0.0	27.6
89F00176	M	2	0	83.0	17.5	122.5	34.9	7.4	2149.8	0.0	26.8
89F00257	M	2	0	62.7	19.2	64.0	123.0	6.3	6933.9	0.0	48.6
Mean				55.06	16.88	70.92	143.50	6.22	2765.9	0.00	35.52
Std Dev				21.68	4.01	31.82	126.90	1.16	2382.6	0.00	8.91
SEM				9.70	1.79	14.23	56.75	0.52	1065.6	0.00	3.99
89F00129	M	3	0	63.9	17.5	28.7	98.7	6.5	1624.9	0.0	35.0
89F00147	M	3	0	56.5	59.5	78.1	272.1	11.7	12532.1	0.0	45.0
89F00154	M	3	0	26.3	13.9	54.8	77.6	4.9	3111.8	0.0	43.4
89F00172	M	3	0	63.3	14.6	34.5	83.7	6.7	1829.3	0.0	32.1
89F00173	M	3	0	44.9	14.3	41.3	82.2	4.8	1720.5	0.0	49.1
Mean				50.98	23.96	47.48	122.86	6.92	4163.7	0.00	40.92
Std Dev				15.77	19.92	19.69	83.80	2.81	4717.0	0.00	7.12
SEM				7.05	8.91	8.80	37.48	1.26	2109.5	0.00	3.18

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	0	32.5	19.2	61.1	85.1	5.0	1790.2	0.0	40.2
89F00131	M	4	0	54.8	37.1	41.2	404.9	4.0	5832.8	0.0	32.8
89F00157	M	4	0	53.3	41.0	63.7	201.3	7.7	2167.6	0.0	29.6
89F00169	M	4	0	68.7	12.7	41.0	52.3	5.1	1782.9	0.0	32.0
89F00258	M	4	0	88.7	24.6	68.3	150.0	5.5	7222.8	0.0	34.3
Mean				59.60	26.72	55.06	178.92	5.46	3759.3	0.00	33.78
Std Dev				20.78	12.10	13.00	138.79	1.37	2579.3	0.00	3.97
SEM				9.29	5.41	5.81	62.07	0.61	1153.5	0.00	1.78
89F00116	M	5	0	42.2	20.6	89.6	101.3	3.9	2090.0	0.0	24.8
89F00128	M	5	0	33.3	21.5	47.9	97.4	8.4	3725.6	0.0	35.7
89F00148	M	5	0	31.3	25.1	42.2	267.2	5.4	3451.2	0.0	28.4
89F00259	M	5	0	63.5	31.3	56.3	120.0	4.5	17374.6	0.0	37.1
89F00261	M	5	0	54.9	19.0	139.4	39.7	5.0	5461.5	0.0	30.1
Mean				45.04	23.50	75.08	125.12	5.44	6420.6	0.00	31.22
Std Dev				13.90	4.90	40.37	84.92	1.75	6239.9	0.00	5.13
SEM				6.22	2.19	18.06	37.98	0.78	2790.6	0.00	2.29
89F00120	M	6	0	50.1	16.3	50.8	161.7	4.4	2146.4	0.0	28.5
89F00143	M	6	0	50.0	23.1	35.1	386.5	5.3	2203.6	0.0	37.3
89F00149	M	6	0	36.0	26.3	83.9	204.8	7.1	3951.5	0.0	38.8
89F00177	M	6	0	55.9	17.2	36.9	82.7	5.1	1307.6	0.0	33.2
89F00263	M	6	0	65.5	16.1	236.5	72.6	6.6	5013.9	0.0	31.2
Mean				51.50	19.80	88.64	181.66	5.70	2924.6	0.00	33.80
Std Dev				10.72	4.63	84.94	127.06	1.12	1513.3	0.00	4.26
SEM				4.79	2.07	37.99	56.82	0.50	676.8	0.00	1.90

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	0	59.9	25.6	58.5	162.5	4.5	2662.7	0.0	38.8
89F00137	M	7	0	27.9	22.2	89.1	282.0	6.2	2703.2	0.0	27.7
89F00164	M	7	0	39.7	11.6	56.6	47.0	5.8	758.5	0.0	30.4
89F00171	M	7	0	36.6	13.3	77.7	51.2	NT	1271.8	0.0	41.3
89F00264	M	7	0	67.8	20.0	98.4	34.3	5.5	6907.0	0.0	32.4
Mean				46.38	18.54	76.06	115.40	5.50	2860.6	0.00	34.12
Std Dev				16.76	5.94	18.43	106.48	0.73	2417.7	0.00	5.73
SEM				7.49	2.66	8.24	47.62	0.36	1081.2	0.00	2.56
89F00125	M	8	0	53.9	25.6	50.9	157.8	5.7	3862.0	0.0	23.4
89F00145	M	8	0	72.7	113.6	42.3	509.6	8.4	24913.3	0.0	37.2
89F00158	M	8	0	53.5	14.8	50.7	91.3	9.4	1078.7	0.0	34.4
89F00165	M	8	0	34.7	12.6	58.5	48.3	8.4	1055.4	0.0	39.3
89F00266	M	8	0	55.8	17.3	105.9	56.9	5.9	6953.3	0.0	25.2
Mean				54.12	36.78	61.66	172.78	7.56	7572.5	0.00	31.90
Std Dev				13.47	43.22	25.39	193.15	1.66	9993.7	0.00	7.18
SEM				6.02	19.33	11.35	86.38	0.74	4469.3	0.00	3.21
89F00121	M	9	0	56.0	21.1	59.2	252.8	4.5	2888.3	0.0	23.5
89F00139	M	9	0	47.5	26.9	62.0	277.8	6.9	3886.1	0.0	21.9
89F00151	M	9	0	41.3	12.4	39.6	55.2	6.1	1165.3	0.0	34.6
89F00156	M	9	0	24.3	12.5	84.1	121.6	5.3	1840.0	0.0	24.4
89F00267	M	9	0	65.3	48.1	73.4	97.0	9.5	13692.4	0.0	48.8
Mean				46.88	24.20	63.66	160.88	6.46	4694.4	0.00	30.64
Std Dev				15.52	14.70	16.69	98.63	1.92	5135.2	0.00	11.31
SEM				6.94	6.57	7.46	44.11	0.86	2296.5	0.00	5.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	0	99	0.0	6.0	4.3	2.6	121.3	16.3	0.9
89F00136	M	10	0	63	0.0	6.1	3.8	1.7	81.6	18.4	2.3
89F00142	M	10	0	28	0.0	6.3	4.8	3.3	117.5	22.4	1.0
89F00168	M	10	0	118	0.0	5.6	3.4	1.6	103.1	16.8	1.0
89F00175	M	10	0	22	0.0	5.8	3.5	1.5	120.1	15.6	1.9
Mean				66.0	0.00	5.96	3.96	2.14	108.72	17.90	1.42
Std Dev				42.4	0.00	0.27	0.59	0.78	16.82	2.72	0.64
SEM				18.9	0.00	0.12	0.26	0.35	7.52	1.22	0.29

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	0	50	0.0	5.6	4.5	3.9	120.0	13.7	1.0
89F00130	M	1	0	101	0.0	6.2	4.1	1.9	114.0	17.4	1.1
89F00140	M	1	0	68	0.0	6.0	4.8	4.1	122.3	19.7	0.9
89F00155	M	1	0	57	0.0	5.7	4.0	2.3	103.0	13.9	1.0
89F00166	M	1	0	61	0.0	6.5	4.1	1.7	129.1	20.5	1.0
Mean				67.4	0.00	6.00	4.30	2.78	117.68	17.04	1.00
Std Dev				19.9	0.00	0.37	0.34	1.14	9.83	3.17	0.07
SEM				8.9	0.00	0.16	0.15	0.51	4.39	1.42	0.03
89F00118	M	2	0	57	0.1	5.7	4.4	3.4	125.6	17.7	0.9
89F00132	M	2	0	40	0.0	5.6	3.6	1.8	82.4	13.4	0.5
89F00141	M	2	0	115	0.1	6.4	4.8	3.0	94.5	17.9	4.2
89F00176	M	2	0	89	0.0	6.1	3.7	1.6	122.9	18.1	0.9
89F00257	M	2	0	161	0.0	5.9	4.1	2.3	131.4	15.1	0.9
Mean				92.4	0.04	5.94	4.12	2.42	111.36	16.44	1.48
Std Dev				48.0	0.05	0.32	0.50	0.77	21.57	2.09	1.53
SEM				21.5	0.02	0.14	0.22	0.34	9.64	0.94	0.68
89F00129	M	3	0	74	0.1	6.0	4.1	2.2	119.3	13.3	0.8
89F00147	M	3	0	30	0.0	5.7	3.5	1.7	113.4	15.7	1.0
89F00154	M	3	0	54	0.0	6.1	3.9	1.7	129.1	10.7	0.9
89F00172	M	3	0	35	0.0	0.4*	3.7	-1.1*	112.4	21.3	1.1
89F00173	M	3	0	140	0.0	6.1	3.5	1.3	124.6	17.8	1.0
Mean				66.6	0.02	5.98	3.74	1.73	119.76	15.76	0.96
Std Dev				44.6	0.04	0.19	0.26	0.37	7.17	4.08	0.11
SEM				19.9	0.02	0.09	0.12	0.18	3.21	1.82	0.05

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	0	35	0.0	5.8	4.0	2.2	123.0	16.6	0.8
89F00131	M	4	0	36	0.1	5.6	3.8	2.1	118.4	13.7	0.9
89F00157	M	4	0	52	0.0	5.8	3.6	1.7	135.6	24.4	1.1
89F00169	M	4	0	85	0.0	5.7	3.8	2.0	110.5	17.9	1.2
89F00258	M	4	0	104	0.0	5.5	4.1	3.1	138.5	12.7	0.9
Mean				62.4	0.02	5.68	3.86	2.22	125.20	17.06	0.98
Std Dev				30.8	0.04	0.13	0.19	0.53	11.75	4.61	0.16
SEM				13.8	0.02	0.06	0.09	0.24	5.25	2.06	0.07
89F00116	M	5	0	75	0.1	6.0	4.4	2.7	106.9	19.6	0.9
89F00128	M	5	0	30	0.1	5.7	4.3	3.1	109.3	17.9	1.0
89F00148	M	5	0	70	0.0	6.2	4.3	2.3	110.1	15.1	1.6
89F00259	M	5	0	66	0.0	6.1	3.8	1.7	141.5	8.6	0.8
89F00261	M	5	0	133	0.0	5.7	3.9	2.1	141.4	11.7	0.8
Mean				74.8	0.04	5.94	4.14	2.38	121.84	14.58	1.02
Std Dev				37.1	0.05	0.23	0.27	0.54	17.94	4.49	0.33
SEM				16.6	0.02	0.10	0.12	0.24	8.02	2.01	0.15
89F00120	M	6	0	34	0.1	5.5	4.4	3.7	109.5	14.5	0.9
89F00143	M	6	0	53	0.0	6.5	4.4	2.0	96.2	16.3	1.0
89F00149	M	6	0	67	0.0	6.4	4.7	2.7	112.0	16.4	1.1
89F00177	M	6	0	100	0.0	6.2	3.8	1.6	133.4	17.5	1.0
89F00263	M	6	0	143	0.0	5.5	3.8	2.3	133.4	10.7	0.9
Mean				79.4	0.02	6.02	4.22	2.46	116.90	15.08	0.98
Std Dev				43.0	0.04	0.49	0.40	0.80	16.22	2.67	0.08
SEM				19.2	0.02	0.22	0.18	0.36	7.25	1.20	0.04

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	0	74	0.1	6.2	4.5	2.6	112.4	21.6	1.2
89F00137	M	7	0	44	0.0	5.7	4.0	2.2	109.9	17.5	0.8
89F00164	M	7	0	128	0.0	5.8	3.8	1.9	112.0	16.9	0.9
89F00171	M	7	0	132	0.0	6.1	3.9	1.7	119.8	16.1	0.8
89F00264	M	7	0	106	0.0	6.0	3.7	1.6	139.2	12.7	1.0
Mean				96.8	0.02	5.96	3.98	2.00	118.66	16.96	0.94
Std Dev				37.4	0.04	0.21	0.31	0.41	12.08	3.19	0.17
SEM				16.7	0.02	0.09	0.14	0.18	5.40	1.43	0.07
89F00125	M	8	0	35	0.1	5.4	3.8	2.3	52.0	7.4	0.9
89F00145	M	8	0	34	0.0	5.3	3.7	2.3	110.5	22.1	1.0
89F00158	M	8	0	82	0.0	5.7	3.9	2.2	108.2	22.9	1.1
89F00165	M	8	0	67	0.0	6.0	3.8	1.7	126.5	15.9	1.5
89F00266	M	8	0	90	0.0	6.3	4.2	2.1	131.9	13.0	0.9
Mean				61.6	0.02	5.74	3.88	2.12	105.82	16.26	1.08
Std Dev				26.1	0.04	0.42	0.19	0.25	31.75	6.47	0.25
SEM				11.7	0.02	0.19	0.09	0.11	14.20	2.89	0.11
89F00121	M	9	0	93	0.0	6.3	4.9	3.4	131.6	14.9	0.9
89F00139	M	9	0	34	0.1	6.0	4.5	3.0	109.8	16.4	0.8
89F00151	M	9	0	70	0.0	5.8	3.5	1.5	96.3	13.5	1.8
89F00156	M	9	0	75	0.0	6.0	4.0	2.0	105.5	16.3	0.9
89F00267	M	9	0	171	0.0	5.9	4.3	2.7	156.5	11.1	0.5
Mean				88.6	0.02	6.00	4.24	2.52	119.94	14.44	0.98
Std Dev				50.8	0.04	0.19	0.53	0.77	24.20	2.21	0.49
SEM				22.7	0.02	0.08	0.24	0.34	10.82	0.99	0.22

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	0	13.8	3.9	148.6	111	3.9	184.3	1.69
89F00136	M	10	0	12.9	3.1	152.4	113	3.6	284.5	1.71
89F00142	M	10	0	14.9	4.5	165.7	124	4.6	117.6	1.85
89F00168	M	10	0	13.4	3.5	149.2	113	4.0	838.0	1.72
89F00175	M	10	0	13.2	3.3	150.3	112	3.7	282.9	1.43
Mean				13.64	3.66	153.24	114.6	3.96	341.46	1.680
Std Dev				0.78	0.55	7.11	5.3	0.39	286.37	0.153
SEM				0.35	0.25	3.18	2.4	0.17	128.07	0.069

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	0	13.3	5.3	151.3	119	4.5	85.3	1.52
89F00130	M	1	0	14.4	3.4	152.8	113	4.1	628.1	1.88
89F00140	M	1	0	14.2	1.9	151.4	116	3.9	220.3	1.81
89F00155	M	1	0	13.4	4.5	151.2	116	3.5	177.3	1.95
89F00166	M	1	0	14.5	3.2	151.5	110	4.2	853.2	1.67
Mean				13.96	3.66	151.64	114.8	4.04	392.84	1.766
Std Dev				0.57	1.30	0.66	3.4	0.37	330.94	0.172
SEM				0.25	0.58	0.29	1.5	0.17	148.00	0.077
89F00118	M	2	0	15.0	5.1	149.0	115	4.6	178.7	1.86
89F00132	M	2	0	12.6	3.6	150.7	115	3.2	449.1	1.86
89F00141	M	2	0	14.7	2.2	149.5	113	4.2	172.3	1.75
89F00176	M	2	0	14.3	3.4	150.3	108	3.8	928.3	1.37
89F00257	M	2	0	13.8	4.0	148.8	110	4.4	187.5	1.09
Mean				14.08	3.66	149.66	112.2	4.04	383.18	1.586
Std Dev				0.94	1.05	0.82	3.1	0.55	326.37	0.343
SEM				0.42	0.47	0.37	1.4	0.25	145.96	0.153
89F00129	M	3	0	13.3	2.8	152.1	119	3.7	972.8	1.53
89F00147	M	3	0	13.0	4.0	154.3	111	3.9	94.6	1.84
89F00154	M	3	0	13.6	3.4	151.0	113	4.0	599.6	1.95
89F00172	M	3	0	13.6	3.5	149.5	113	4.1	558.6	1.64
89F00173	M	3	0	13.3	3.3	154.3	108	3.7	516.0	1.47
Mean				13.36	3.40	152.24	112.8	3.88	548.32	1.686
Std Dev				0.25	0.43	2.09	4.0	0.18	312.18	0.204
SEM				0.11	0.19	0.94	1.8	0.08	139.61	0.091

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	0	13.5	2.3	149.4	117	3.8	1062.8	1.45
89F00131	M	4	0	13.4	3.8	150.2	117	3.4	402.8	1.95
89F00157	M	4	0	13.4	4.5	152.7	118	4.3	133.6	2.19
89F00169	M	4	0	13.3	4.1	153.0	113	3.9	667.9	1.76
89F00258	M	4	0	13.0	4.1	149.2	111	3.9	202.1	1.62
Mean				13.32	3.76	150.90	115.2	3.86	493.84	1.794
Std Dev				0.19	0.85	1.82	3.0	0.32	379.86	0.288
SEM				0.09	0.38	0.81	1.4	0.14	169.88	0.129
89F00116	M	5	0	14.3	3.9	150.1	113	4.1	209.1	1.83
89F00128	M	5	0	13.5	2.7	153.0	117	3.9	884.9	1.77
89F00148	M	5	0	13.4	4.5	151.0	113	3.9	116.0	2.07
89F00259	M	5	0	13.1	4.0	149.3	113	3.9	1077.4	1.61
89F00261	M	5	0	13.8	3.7	149.8	113	4.0	756.4	1.53
Mean				13.62	3.76	150.64	113.8	3.96	608.76	1.762
Std Dev				0.45	0.66	1.46	1.8	0.09	424.33	0.210
SEM				0.20	0.30	0.65	0.8	0.04	189.76	0.094
89F00120	M	6	0	14.2	3.3	151.4	119	3.9	133.7	1.57
89F00143	M	6	0	14.2	2.0	151.7	117	4.4	108.4	1.83
89F00149	M	6	0	13.6	5.1	155.2	116	3.4	47.8	2.11
89F00177	M	6	0	14.0	3.3	153.0	113	4.0	1067.1	1.62
89F00263	M	6	0	13.5	4.6	148.6	109	3.7	94.1	1.67
Mean				13.90	3.66	151.98	114.8	3.88	290.22	1.760
Std Dev				0.33	1.22	2.41	3.9	0.37	435.41	0.219
SEM				0.15	0.55	1.08	1.7	0.17	194.72	0.098

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	0	14.7	4.2	153.2	118	4.6	107.1	1.98
89F00137	M	7	0	13.7	1.6	150.5	117	3.9	89.8	1.77
89F00164	M	7	0	13.9	3.2	153.9	114	4.1	1060.6	1.98
89F00171	M	7	0	13.9	3.6	154.3	112	3.6	1017.7	1.61
89F00264	M	7	0	14.5	4.8	147.0	109	4.2	1016.9	1.61
Mean				14.14	3.48	151.78	114.0	4.08	658.42	1.790
Std Dev				.43	1.21	3.06	3.7	0.37	511.52	0.185
SEM				0.19	0.54	1.37	1.6	0.17	228.76	0.083
89F00125	M	8	0	13.2	3.3	154.8	118	4.1	435.2	1.60
89F00145	M	8	0	13.1	1.8	147.7	117	4.2	55.6	1.62
89F00158	M	8	0	13.6	3.6	154.3	114	4.0	1191.4	1.82
89F00165	M	8	0	13.5	4.0	149.2	118	3.9	836.3	1.78
89F00266	M	8	0	13.4	4.4	148.2	110	4.5	917.7	1.45
Mean				13.36	3.42	150.84	115.4	4.14	687.24	1.654
Std Dev				0.21	1.00	3.43	3.4	0.23	444.97	0.149
SEM				0.09	0.45	1.54	1.5	0.10	199.00	0.067
89F00121	M	9	0	14.5	4.2	154.5	117	4.0	138.7	1.96
89F00139	M	9	0	13.8	1.6	150.2	118	3.6	105.9	1.66
89F00151	M	9	0	12.6	3.6	154.3	113	3.4	878.9	1.98
89F00156	M	9	0	14.0	4.5	151.3	113	3.6	1079.5	1.98
89F00267	M	9	0	13.7	3.4	143.9	110	3.7	111.3	1.35
Mean				13.72	3.46	150.84	114.2	3.66	462.86	1.786
Std Dev				0.70	1.13	4.31	3.3	0.22	476.82	0.279
SEM				0.31	0.51	1.93	1.5	0.10	213.24	0.125

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	1	49.7	26.1	50.8	307.2	3.7	2471.7	0.0	29.4
89F00136	M	10	1	119.6	80.8	52.4	154.7	4.3	2284.2	0.0	47.6
89F00142	M	10	1	39.3	17.9	72.5	152.8	4.6	1403.1	0.0	24.6
89F00168	M	10	1	62.0	15.9	69.9	93.1	5.0	1798.1	0.0	34.4
89F00175	M	10	1	46.3	9.7	54.4	42.3	8.4	1184.7	0.0	78.7
Mean				63.38	30.08	60.00	150.02	5.20	1828.4	0.00	42.94
Std Dev				32.49	28.95	10.34	99.47	1.85	551.8	0.00	21.75
SEM				14.53	12.95	4.63	44.49	0.83	246.8	0.00	9.73

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	1	47.6	52.6	3.5	103.6	1.8	3038.6	0.0	21.5
89F00130	M	1	1	31.2	20.0	85.9	68.3	4.9	634.8	0.0	18.0
89F00140	M	1	1	37.8	23.3	61.0	97.1	4.1	667.4	0.0	33.7
89F00155	M	1	1	37.5	46.9	67.1	109.3	7.5	1674.6	0.0	42.5
89F00166	M	1	1	50.2	28.4	54.6	72.1	5.5	1032.2	0.0	32.6
Mean				40.86	34.24	54.42	90.08	4.76	1409.5	0.00	29.66
Std Dev				7.85	14.61	30.77	18.70	2.08	1002.2	0.00	9.90
SEM				3.51	6.53	13.76	8.36	0.93	448.2	0.00	4.43
89F00118	M	2	1	33.0	27.0	94.8	173.4	5.9	1353.2	0.0	32.6
89F00132	M	2	1	38.4	28.8	73.3	79.1	2.9	735.8	0.0	31.7
89F00141	M	2	1	139.3	181.0	75.3	275.3	3.9	2076.8	0.0	20.6
89F00176	M	2	1	65.1	36.9	131.2	32.9	8.0	1042.7	0.0	28.2
89F00257	M	2	1	41.7	27.7	72.2	67.7	5.8	4178.8	0.0	47.0
Mean				63.50	60.28	89.36	125.68	5.30	1877.5	0.00	32.02
Std Dev				44.11	67.60	25.15	98.49	1.98	1379.4	0.00	9.62
SEM				19.73	30.23	11.25	44.05	0.88	616.9	0.00	4.30
89F00129	M	3	1	60.5	50.9	41.6	307.2	5.0	2364.0	0.0	40.4
89F00147	M	3	1	54.4	52.4	71.2	50.0	10.7	1796.9	0.0	30.7
89F00154	M	3	1	27.4	23.8	54.0	61.2	4.2	905.6	0.0	30.2
89F00172	M	3	1	55.7	38.5	45.3	42.7	7.6	1009.0	0.0	29.6
89F00173	M	3	1	0.8	30.7	49.6	45.0	8.0	1064.9	0.0	46.5
Mean				39.76	39.26	52.34	101.22	7.10	1428.1	0.00	35.48
Std Dev				25.34	12.46	11.52	115.37	2.59	631.0	0.00	7.60
SEM				11.33	5.57	5.15	51.59	1.16	282.2	0.00	3.40

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	1	33.0	18.3	52.1	103.9	4.6	1377.3	0.0	10.4
89F00131	M	4	1	91.1	40.0	39.0	245.4	3.3	17018.0	0.0	34.1
89F00157	M	4	1	70.9	47.6	50.6	378.5	6.4	2533.9	0.0	41.8
89F00169	M	4	1	62.5	14.8	41.9	77.0	7.6	1432.7	0.0	39.1
89F00258	M	4	1	56.8	16.1	53.1	65.8	4.8	2207.1	0.0	40.2
Mean				62.86	27.36	47.34	174.12	5.34	4913.8	0.00	33.12
Std Dev				21.16	15.30	6.43	135.04	1.68	6784.7	0.00	13.02
SEM				9.46	6.84	2.88	60.39	0.75	3034.2	0.00	5.82
89F00116	M	5	1	47.5	26.9	78.4	211.5	2.5	1921.6	0.0	22.1
89F00128	M	5	1	33.6	20.2	40.0	67.5	6.5	1542.6	0.0	37.5
89F00148	M	5	1	37.8	15.0	38.6	85.5	5.9	3071.1	0.0	32.1
89F00259	M	5	1	76.8	37.1	36.8	87.2	3.2	5296.0	0.0	50.1
89F00261	M	5	1	29.0	8.5	106.1	33.8	3.2	1303.5	0.0	35.5
Mean				44.94	21.54	59.98	97.10	4.26	2627.0	0.00	35.46
Std Dev				19.07	11.02	31.06	67.46	1.81	1639.0	0.00	10.10
SEM				8.53	4.93	13.89	30.17	0.81	733.0	0.00	4.52
89F00120	M	6	1	53.1	17.9	34.5	258.6	3.6	2153.8	0.0	39.9
89F00143	M	6	1	24.7	34.3	27.2	172.6	1.6	1645.0	0.0	31.5
89F00149	M	6	1	47.0	37.2	66.5	241.6	5.5	4823.9	0.0	41.2
89F00177	M	6	1	43.0	13.5	35.2	51.8	6.1	952.7	0.0	35.5
89F00263	M	6	1	38.3	8.9	212.0	50.0	6.0	1248.1	0.0	31.7
Mean				41.22	22.36	75.08	154.92	4.56	2164.7	0.00	35.96
Std Dev				10.71	12.67	78.02	100.27	1.94	1553.3	0.00	4.51
SEM				4.79	5.67	34.89	44.84	0.87	694.6	0.00	2.02

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	1	55.7	41.2	66.4	200.0	4.7	1805.9	0.0	26.4
89F00137	M	7	1	24.4	25.3	104.8	101.5	1.1	1046.4	0.0	21.8
89F00164	M	7	1	41.5	63.4	76.1	60.9	6.0	600.0	0.0	32.4
89F00171	M	7	1	28.3	30.0	94.9	54.4	7.0	575.5	0.0	39.4
89F00264	M	7	1	39.0	16.5	106.9	87.7	3.2	1250.9	0.0	31.6
Mean				37.78	35.28	89.82	100.90	4.40	1055.7	0.00	30.32
Std Dev				12.30	18.07	17.88	58.65	2.33	509.7	0.00	6.64
SEM				5.50	8.08	8.00	26.23	1.04	227.9	0.00	2.97
89F00125	M	8	1	59.7	55.9	77.3	259.3	4.8	2580.0	0.0	25.7
89F00145	M	8	1	59.7	55.2	53.5	150.7	6.1	1190.2	0.0	29.0
89F00158	M	8	1	55.6	33.8	61.0	79.4	6.9	3017.1	0.0	32.8
89F00165	M	8	1	45.4	51.4	76.7	241.6	9.3	1792.8	0.0	37.2
89F00266	M	8	1	40.0	27.3	120.5	225.8	3.3	3624.2	0.0	28.5
Mean				52.08	44.72	77.80	191.36	6.08	2440.9	0.00	30.64
Std Dev				8.93	13.25	25.97	75.02	2.26	966.4	0.00	4.45
SEM				3.99	5.93	11.61	33.55	1.01	432.2	0.00	1.99
89F00121	M	9	1	57.5	30.6	59.0	275.5	4.1	2637.1	0.0	28.1
89F00139	M	9	1	45.6	46.6	97.5	100.6	4.0	892.1	0.0	19.0
89F00151	M	9	1	34.6	31.1	55.5	49.3	8.9	652.5	0.0	28.3
89F00156	M	9	1	23.3	22.7	100.3	64.3	4.5	725.5	0.0	17.7
89F00267	M	9	1	40.4	41.8	77.3	88.1	4.6	3445.6	0.0	36.1
Mean				40.28	34.56	77.92	115.56	5.22	1670.6	0.00	25.84
Std Dev				12.70	9.56	20.89	91.62	2.07	1286.5	0.00	7.57
SEM				5.68	4.28	9.34	40.97	0.93	575.3	0.00	3.39

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	1	71	0.0	6.0	4.6	3.1	137.9	14.2	1.1
89F00136	M	10	1	105	0.0	5.7	3.8	2.0	106.2	20.3	2.3
89F00142	M	10	1	31	0.1	5.6	4.4	3.5	118.9	12.7	1.0
89F00168	M	10	1	55	0.0	5.6	3.5	1.7	124.5	17.9	1.5
89F00175	M	10	1	49	0.0	6.3	3.9	1.7	122.9	17.7	2.0
Mean				62.2	0.02	5.84	4.04	2.40	122.08	16.56	1.58
Std Dev				27.9	0.04	0.30	0.45	0.84	11.39	3.06	0.56
SEM				12.5	0.02	0.14	0.20	0.38	5.09	1.37	0.25

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	1	41	0.1	5.0	3.4	2.2	85.4	11.8	0.8
89F00130	M	1	1	72	0.0	6.0	3.9	1.8	108.4	16.3	1.5
89F00140	M	1	1	46	0.0	5.3	4.2	4.1	154.3	16.0	1.0
89F00155	M	1	1	64	0.0	5.7	3.9	2.2	99.0	21.7	1.1
89F00166	M	1	1	59	0.0	6.3	3.8	1.5	105.6	11.6	1.0
Mean				56.4	0.02	5.66	3.84	2.36	110.54	15.48	1.08
Std Dev				12.8	0.04	0.52	0.29	1.02	26.02	4.13	0.26
SEM				5.7	0.02	0.23	0.13	0.45	11.64	1.85	0.12
89F00118	M	2	1	67	0.0	5.8	3.9	2.0	75.8	14.7	0.9
89F00132	M	2	1	54	0.0	5.8	4.0	2.3	134.6	11.4	1.1
89F00141	M	2	1	47	0.0	6.1	4.3	2.4	126.9	11.6	1.1
89F00176	M	2	1	34	0.1	6.0	3.8	1.7	128.9	20.0	1.0
89F00257	M	2	1	111	0.6	5.8	3.5	1.6	131.0	15.8	0.9
Mean				62.6	0.14	5.90	3.90	2.00	119.44	14.70	1.00
Std Dev				29.6	0.26	0.14	0.29	0.35	24.56	3.53	0.10
SEM				13.2	0.12	0.06	0.13	0.16	10.98	1.58	0.04
[illegible]	[illegible]	3	1	42	0.0	5.9	3.8	1.8	98.2	13.0	0.9
[illegible]	[illegible]	3	1	47	0.0	6.6	3.4	1.1	126.3	18.6	1.0
[illegible]	[illegible]	3	1	46	0.0	6.1	3.7	1.5	130.2	11.2	0.8
89F00172	[illegible]	3	1	27	0.1	6.0	3.5	1.5	115.0	21.4	1.1
89F00173	M	3	1	65	0.0	5.8	3.4	1.4	109.9	15.2	1.0
Mean				45.4	0.02	6.08	3.56	1.46	115.92	15.88	0.96
Std Dev				13.6	0.04	0.31	0.18	0.25	12.87	4.14	0.11
SEM				6.1	0.02	0.14	0.08	0.11	5.76	1.85	0.05

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	1	30	0.0	5.3	1.6	0.4	18.9	14.7	0.9
89F00131	M	4	1	40	0.0	5.3	3.9	2.8	115.0	11.0	1.2
89F00157	M	4	1	55	0.0	5.5	3.9	2.4	79.7	19.9	1.8
89F00169	M	4	1	53	0.1	6.0	4.1	2.3	108.4	26.3	1.9
89F00258	M	4	1	111	0.1	6.1	4.0	1.9	124.7	13.9	1.5
Mean				51.8	0.04	5.64	3.50	1.96	89.34	17.16	1.46
Std Dev				31.4	0.05	0.38	1.07	0.83	42.80	6.03	0.42
SEM				14.0	0.02	0.17	0.48	0.42	19.14	2.70	0.19
89F00116	M	5		9	0.0	5.6	4.6	2.6	94.3	17.9	0.8
89F00128	M	5	1	39	0.0	5.5	3.8	2.1	99.9	14.4	1.0
89F00148	M	5	1	88	0.0	6.5	4.1	1.6	126.9	11.3	1.4
89F00259	M	5	1	60	0.5	5.8	3.5	1.5	129.8	9.9	1.4
89F00261	M	5	1	80	0.0	5.1	3.4	1.9	120.4	12.5	1.2
Mean				62.4	0.12	5.70	3.76	1.94	114.26	13.20	1.16
Std Dev				22.4	0.22	0.51	0.30	0.44	16.15	3.10	0.26
SEM				10.0	0.10	0.23	0.14	0.20	7.22	1.39	0.12
89F00120	M	6	1	80	0.0	5.5	4.2	3.1	103.6	11.4	0.8
89F00143	M	6	1	50	0.0	5.2	4.4	6.0	144.7	15.1	1.2
89F00149	M	6	1	53	0.0	5.7	4.1	2.4	96.6	17.4	1.0
89F00177	M	6	1	74	0.0	6.0	3.9	1.9	109.1	15.1	1.3
89F00263	M	6	1	129	0.6	6.0	3.8	1.7	111.2	12.4	0.9
Mean				77.2	0.12	5.68	4.08	3.02	113.04	14.28	1.04
Std Dev				31.7	0.27	0.34	0.24	1.75	18.58	2.39	0.21
SEM				14.2	0.12	0.15	0.11	0.78	8.31	1.07	0.09

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	1	76	0.0	5.5	3.6	1.9	86.9	16.4	0.9
89F00137	M	7	1	73	0.0	5.5	4.1	2.9	109.5	16.3	1.0
89F00164	M	7	1	47	0.1	5.8	3.7	1.7	92.4	21.3	1.2
89F00171	M	7	1	63	0.0	5.9	3.7	1.7	118.5	14.3	1.6
89F00264	M	7	1	62	0.6	5.8	3.5	1.5	113.1	15.8	0.9
Mean				64.2	0.14	5.70	3.72	1.94	104.08	16.82	1.12
Std Dev				11.4	0.26	0.19	0.23	0.55	13.70	2.64	0.29
SEM				5.1	0.12	0.08	0.10	0.25	6.12	1.18	0.13
89F00125	M	8	1	60	0.0	5.7	3.7	1.9	84.6	13.5	0.8
89F00145	M	8	1	45	0.0	5.0	3.7	2.7	114.2	14.4	1.0
89F00158	M	8	1	69	0.0	6.0	3.7	1.7	116.8	17.7	1.1
89F00165	M	8	1	34	0.1	6.0	3.6	1.5	104.7	17.3	1.0
89F00266	M	8	1	122	0.5	5.8	4.0	2.3	135.3	10.9	0.7
Mean				66.0	0.12	5.70	3.74	2.02	111.12	14.76	0.92
Std Dev				34.1	0.22	0.41	0.15	0.48	18.51	2.82	0.16
SEM				15.2	0.10	0.18	0.07	0.22	8.28	1.26	0.07
89F00121	M	9	1	102	0.0	5.9	4.3	2.9	114.9	13.4	0.9
89F00139	M	9	1	36	0.0	6.6	4.2	1.8	129.6	15.6	1.1
89F00151	M	9	1	42	0.0	6.2	3.3	1.1	103.8	11.7	1.4
89F00156	M	9	1	31	0.0	6.4	3.4	1.2	130.9	17.4	0.9
89F00267	M	9	1	173	0.5	6.4	3.9	1.6	135.6	10.8	0.8
Mean				76.8	0.10	6.30	3.82	1.72	122.96	13.78	1.02
Std Dev				61.0	0.22	0.26	0.45	0.72	13.22	2.73	0.24
SEM				27.3	0.10	0.12	0.20	0.32	5.91	1.22	0.11

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	1	13.7	5.0	153.1	116	4.1	179.5	1.67
89F00136	M	10	1	12.4	3.9	149.5	113	3.8	142.3	1.65
89F00142	M	10	1	13.3	4.7	153.8	114	4.2	160.5	1.68
89F00168	M	10	1	13.7	3.3	150.1	112	3.9	578.3	1.66
89F00175	M	10	1	13.2	2.6	151.1	112	3.8	482.2	1.65
Mean				13.26	3.90	151.52	113.4	3.96	308.56	1.662
Std Dev				0.53	0.99	1.87	1.7	0.18	205.63	0.013
SEM				0.24	0.44	0.84	0.7	0.08	91.96	0.006

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	1	NT	2.7	123.4	102	84.2*	169.4	NT
89F00130	M	1	1	13.7	3.4	149.5	114	3.8	273.9	1.82
89F00140	M	1	1	14.3	3.7	149.8	113	4.0	176.5	1.86
89F00155	M	1	1	13.4	3.5	149.4	113	4.0	81.9	1.86
89F00166	M	1	1	13.9	3.7	155.4	117	3.4	336.5	1.97
Mean				13.83	3.40	145.50	111.8	3.80	207.64	1.878
Std Dev				0.38	0.41	12.61	5.7	0.28	99.04	0.064
SEM				0.19	0.18	5.64	2.6	0.14	44.29	0.032
89F00118	M	2	1	13.6	4.9	150.5	120	3.7	256.4	1.88
89F00132	M	2	1	14.6	4.7	151.8	114	4.4	96.0	2.03
89F00141	M	2	1	13.0	5.1	146.2	116	4.5	200.9	1.84
89F00176	M	2	1	12.9	3.6	148.4	108	3.7	315.6	1.77
89F00257	M	2	1	12.8	3.6	149.0	119	4.1	695.6	1.38
Mean				13.38	4.38	149.18	115.4	4.08	312.90	1.780
Std Dev				0.75	0.73	2.13	4.8	0.38	228.72	0.243
SEM				0.34	0.32	0.95	2.1	0.17	102.29	0.109
89F00129	M	3	1	12.8	3.2	151.5	117	3.5	71.1	1.54
89F00147	M	3	1	13.1	4.0	152.9	114	3.8	782.9	1.71
89F00154	M	3	1	13.3	2.9	151.6	115	4.5	331.9	1.47
89F00172	M	3	1	12.8	3.4	151.4	117	3.7	420.4	1.80
89F00173	M	3	1	12.8	3.3	151.0	110	3.3	525.1	1.42
Mean				12.96	3.36	151.68	114.6	3.76	426.28	1.588
Std Dev				0.23	0.40	0.72	2.9	0.46	260.79	0.161
SEM				0.10	0.18	0.32	1.3	0.20	116.63	0.072

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	1	12.4	3.4	150.9	118	4.4	591.2	1.46
89F00131	M	4	1	13.3	3.5	145.2	112	4.2	122.8	1.63
89F00157	M	4	1	12.3	4.4	152.3	119	5.8	20.4	1.94
89F00169	M	4	1	12.9	3.8	151.5	118	3.4	412.0	1.88
89F00258	M	4	1	13.8	3.6	149.4	119	4.0	1078.5	1.64
Mean				12.94	3.74	149.86	117.2	4.36	444.98	1.710
Std Dev				0.63	0.40	2.81	2.9	0.89	420.68	0.197
SEM				0.28	0.18	1.26	1.3	0.40	188.13	0.088
89F00116	M	5	1	13.8	4.2	153.8	116	4.0	177.9	1.91
89F00128	M	5	1	13.0	3.1	155.6	121	3.0	682.4	1.72
89F00148	M	5	1	13.8	3.7	154.1	116	3.8	810.6	1.59
89F00259	M	5	1	13.2	4.0	147.8	115	4.3	1142.5	1.53
89F00261	M	5	1	11.9	3.7	141.8	111	3.8	652.4	1.51
Mean				13.14	3.74	150.62	115.8	3.78	693.16	1.652
Std Dev				0.78	0.42	5.76	3.6	0.48	347.48	0.166
SEM				0.35	0.19	2.58	1.6	0.22	155.40	0.074
89F00120	M	6	1	12.7	4.0	154.4	118	3.7	123.5	1.77
89F00143	M	6	1	13.1	3.7	151.4	105	7.6	183.7	2.26
89F00149	M	6	1	12.4	4.6	156.6	119	3.4	113.1	1.83
89F00177	M	6	1	12.6	3.0	150.3	116	3.8	484.8	1.65
89F00263	M	6	1	14.5	4.7	149.5	114	4.4	1059.3	1.79
Mean				13.06	4.00	152.44	114.4	4.58	392.88	1.860
Std Dev				0.84	0.70	2.98	5.6	1.73	402.23	0.233
SEM				0.38	0.31	1.33	2.5	0.77	179.88	0.104

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	1	12.1	4.6	151.5	119	4.4	84.0	1.77
89F00137	M	7	1	13.9	4.5	141.9	106	4.2	231.8	1.55
89F00164	M	7	1	12.9	3.3	153.1	117	3.4	394.5	1.85
89F00171	M	7	1	12.9	3.1	151.2	116	3.2	418.4	1.68
89F00264	M	7	1	13.7	5.5	148.3	113	4.7	1155.4	1.39
Mean				13.10	4.20	149.20	114.2	3.98	456.82	1.648
Std Dev				0.72	0.99	4.43	5.1	0.65	413.22	0.182
SEM				0.32	0.44	1.98	2.3	0.29	184.80	0.082
89F00125	M	8	1	13.0	4.8	151.3	120	5.0	133.5	1.78
89F00145	M	8	1	13.2	3.0	150.3	114	4.6	109.4	1.61
89F00158	M	8	1	13.5	4.1	151.4	113	4.3	500.1	1.45
89F00165	M	8	1	13.0	4.4	153.2	116	3.8	105.9	1.81
89F00266	M	8	1	13.7	5.3	146.9	113	4.8	67.0	1.62
Mean				13.28	4.32	150.62	115.2	4.50	183.18	1.654
Std Dev				0.31	0.86	2.33	2.9	0.47	178.76	0.146
SEM				0.14	0.39	1.04	1.3	0.21	79.94	0.065
89F00121	M	9	1	13.6	3.7	151.2	116	3.6	67.1	1.90
89F00139	M	9	1	14.3	4.6	151.4	115	4.4	192.9	1.75
89F00151	M	9	1	12.4	3.8	152.1	116	3.0	737.6	1.58
89F00156	M	9	1	13.3	3.6	150.7	113	3.7	643.4	1.52
89F00267	M	9	1	13.4	4.0	151.0	116	4.6	744.7	1.46
Mean				13.40	3.94	151.28	115.2	3.86	477.14	1.642
Std Dev				0.68	0.40	0.53	1.3	0.65	322.49	0.180
SEM				0.30	0.18	0.24	0.6	0.29	144.22	0.081

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	2	43.4	16.7	58.6	210.1	2.0	1881.6	0.0	27.8
89F00136	M	10	2	104.3	63.8	19.7	110.4	4.6	1605.9	0.0	50.8
89F00142	M	10	2	36.3	11.3	66.7	55.5	5.8	755.6	0.0	25.1
89F00168	M	10	2	55.1	16.4	71.1	69.7	4.7	1381.4	0.0	36.7
89F00175	M	10	2	38.3	9.8	58.5	118.3	7.7	1138.0	0.0	87.0
Mean				55.48	23.60	54.92	112.80	4.96	1352.5	0.00	45.48
Std Dev				28.25	22.68	20.42	60.51	2.07	432.2	0.00	25.28
SEM				12.63	10.14	9.13	27.06	0.93	193.3	0.00	11.31

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	2	45.4	57.6	53.6	221.1	4.2	2983.2	0.0	22.1
89F00130	M	1	2	27.2	21.6	77.3	56.1	5.3	419.6	0.0	15.7
89F00140	M	1	2	33.8	24.3	60.9	76.5	4.3	440.7	0.0	29.4
89F00155	M	1	2	30.5	29.5	54.9	201.4	7.2	1848.5	0.0	36.8
89F00166	M	1	2	40.5	24.4	46.9	58.0	6.4	739.8	0.0	30.2
Mean				35.48	31.48	58.72	122.62	5.48	1286.4	0.00	26.84
Std Dev				7.41	14.88	11.52	81.60	1.31	1113.6	0.00	8.12
SEM				3.32	6.65	5.15	36.49	0.59	498.0	0.00	3.63
89F00118	M	2	2	27.8	21.2	99.5	84.5	7.1	613.8	0.0	30.6
89F00132	M	2	2	33.9	37.5	77.9	67.7	2.4	902.7	0.0	32.6
89F00141	M	2	2	134.9	124.6	67.9	221.0	4.6	1682.8	0.0	24.2
89F00176	M	2	2	54.0	34.7	128.3	41.8	7.9	1057.4	0.0	27.2
89F00257	M	2	2	34.5	28.2	72.9	148.6	4.0	1937.6	0.0	43.8
Mean				57.02	49.24	89.30	112.72	5.20	1238.9	0.00	31.68
Std Dev				44.64	42.59	24.91	72.22	2.27	552.7	0.00	7.50
SEM				19.96	19.05	11.14	32.30	1.01	247.2	0.00	3.35
89F00129	M	3	2	54.0	55.9	45.4	166.6	1.7	1314.1	0.0	26.5
89F00147	M	3	2	40.6	38.2	70.4	29.4	10.3	556.1	0.0	30.6
89F00154	M	3	2	23.3	26.7	46.8	63.5	3.7	469.0	0.0	30.8
89F00172	M	3	2	52.5	42.8	41.7	46.0	9.2	772.2	0.0	26.5
89F00173	M	3	2	40.3	60.7	39.9	193.7	7.6	10816.5	0.0	46.8
Mean				42.14	44.86	48.84	99.84	6.50	2785.6	0.00	32.24
Std Dev				12.34	13.70	12.37	74.91	3.67	4501.4	0.00	8.41
SEM				5.52	6.13	5.53	33.50	1.64	2013.1	0.00	3.76

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	2	33.5	19.6	63.1	134.7	3.4	1540.4	0.0	42.3
89F00131	M	4	2	84.8	15.9	41.1	107.4	4.7	3901.2	0.0	33.6
89F00157	M	4	2	74.1	25.8	45.1	195.0	6.8	2691.6	0.0	44.7
89F00169	M	4	2	50.0	11.6	34.5	108.1	7.2	1085.5	0.0	40.8
89F00258	M	4	2	47.3	21.3	41.0	133.1	3.6	1441.3	0.0	46.2
Mean				57.94	18.84	44.96	135.66	5.14	2132.0	0.00	41.52
Std Dev				20.95	5.39	10.83	35.66	1.77	1158.2	0.00	4.90
SEM				9.37	2.41	4.84	15.95	0.79	517.9	0.00	2.19
89F00116	M	5	2	40.8	16.1	74.7	102.4	2.6	1057.8	0.0	21.2
89F00128	M	5	2	29.6	15.2	42.3	101.2	4.7	1007.3	0.0	35.9
89F00148	M	5	2	27.9	15.5	26.1	197.3	5.0	1793.9	0.0	27.2
89F00259	M	5	2	48.4	45.1	27.3	109.0	3.7	1006.2	0.0	64.8
89F00261	M	5	2	26.8	12.4	109.0	167.3	4.5	1149.8	0.0	50.9
Mean				34.70	20.86	55.88	135.44	4.10	1203.0	0.00	40.00
Std Dev				9.48	13.63	35.58	44.17	0.97	335.5	0.00	17.80
SEM				4.24	6.09	15.91	19.75	0.43	150.0	0.00	7.96
89F00120	M	6	2	46.5	20.2	54.1	305.8	6.5	2377.5	0.0	33.5
89F00143	M	6	2	46.2	17.3	27.1	246.4	3.7	1601.7	0.0	40.0
89F00149	M	6	2	45.4	36.6	52.0	268.6	6.8	3839.8	0.0	39.6
89F00177	M	6	2	30.0	15.0	33.0	149.4	7.7	1225.0	0.0	31.9
89F00263	M	6	2	28.9	8.3	197.1	45.4	7.0	526.1	0.0	33.9
Mean				39.40	19.48	72.66	203.12	6.34	1914.0	0.00	35.78
Std Dev				9.10	10.53	70.54	105.43	1.54	1267.1	0.00	3.75
SEM				4.07	4.71	31.55	47.15	0.69	566.7	0.00	1.68

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	2	52.5	46.2	79.5	120.9	5.4	1511.7	0.0	25.2
89F00137	M	7	2	25.6	34.4	126.5	75.4	4.3	692.7	0.0	22.9
89F00164	M	7	2	39.7	59.3	84.6	294.7	6.8	1092.1	0.0	27.4
89F00171	M	7	2	23.1	23.7	95.7	55.6	6.8	286.4	0.0	32.7
89F00264	M	7	2	29.2	16.5	123.6	167.2	5.9	1557.0	0.0	30.0
Mean				34.02	36.02	101.98	142.76	5.84	1028.0	0.00	27.64
Std Dev				12.12	17.18	21.88	95.26	1.05	543.2	0.00	3.86
SEM				5.42	7.68	9.79	42.60	0.47	242.9	0.00	1.73
89F00125	M	8	2	45.7	43.6	74.3	48.0	4.1	1194.4	0.0	20.2
89F00145	M	8	2	46.4	41.2	52.5	50.4	7.6	1345.2	0.0	23.3
89F00158	M	8	2	48.9	40.8	59.5	76.7	6.6	1891.8	0.0	31.6
89F00165	M	8	2	36.7	34.2	68.1	112.7	8.4	891.5	0.0	35.7
89F00266	M	8	2	37.5	30.5	108.0	241.6	5.5	2241.8	0.0	34.7
Mean				43.04	38.06	72.48	105.88	6.44	1512.9	0.00	29.10
Std Dev				5.56	5.48	21.52	80.23	1.70	545.6	0.00	6.96
SEM				2.49	2.45	9.62	35.88	0.76	244.0	0.00	3.11
89F00121	M	9	2	102.0	131.0	82.0	304.3	7.0	11327.8	0.0	31.4
89F00139	M	9	2	35.9	45.6	85.0	93.6	3.6	573.8	0.0	15.1
89F00151	M	9	2	34.7	50.7	47.5	61.2	5.6	308.0	0.0	38.2
89F00156	M	9	2	18.8	21.4	95.4	50.5	4.2	426.4	0.0	17.0
89F00267	M	9	2	27.6	32.9	88.1	152.0	6.1	1662.6	0.0	34.6
Mean				43.80	56.32	79.60	132.32	5.30	2859.7	0.00	27.26
Std Dev				33.24	43.28	18.52	103.94	1.39	4764.4	0.00	10.53
SEM				14.87	19.35	8.33	46.48	0.62	2130.7	0.00	4.71

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	2	81	0.0	6.0	4.5	3.0	154.2	12.4	1.1
89F00136	M	10	2	126	0.0	4.1	3.4	5.0	96.4	15.8	1.5
89F00142	M	10	2	35	0.1	5.4	4.1	3.3	128.1	16.4	0.7
89F00168	M	10	2	54	0.0	5.7	4.1	2.5	89.1	16.4	1.1
89F00175	M	10	2	56	0.0	5.7	4.3	3.3	152.0	13.4	0.8
Mean				70.4	0.02	5.38	4.08	3.42	123.96	14.88	1.04
Std Dev				35.1	0.04	0.75	0.41	0.94	30.38	1.86	0.31
SEM				15.7	0.02	0.33	0.19	0.42	13.59	0.83	0.14

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	2	33	0.0	4.6	3.3	2.5	112.4	10.8	0.9
89F00130	M	1	2	120	0.0	5.7	3.9	2.2	113.4	15.7	1.4
89F00140	M	1	2	44	0.0	5.4	4.1	3.2	125.8	15.5	0.8
89F00155	M	1	2	62	0.0	5.0	3.6	2.5	112.8	10.1	0.8
89F00166	M	1	2	92	0.0	5.9	3.9	2.0	120.6	9.7	1.1
Mean				70.2	0.00	5.32	3.76	2.48	117.00	12.36	1.00
Std Dev				35.7	0.00	0.53	0.31	0.45	5.96	2.98	0.25
SEM				16.0	0.00	0.24	0.14	0.20	2.67	1.33	0.11
89F00118	M	2	2	84	0.0	5.7	3.8	2.0	107.1	14.4	0.9
89F00132	M	2	2	31	0.1	5.4	3.4	1.6	121.2	9.2	1.0
89F00141	M	2	2	57	0.0	6.2	4.3	2.2	107.6	11.8	1.6
89F00176	M	2	2	59	0.0	6.2	3.5	1.3	120.0	13.6	0.8
89F00257	M	2	2	76	0.5	5.5	3.5	1.8	93.6	14.0	0.9
Mean				61.4	0.12	5.80	3.70	1.78	109.90	12.60	1.04
Std Dev				20.5	0.22	0.38	0.37	0.35	11.28	2.14	0.32
SEM				9.1	0.10	0.17	0.16	0.16	5.04	0.96	0.14
89F00129	M	3	2	39	0.0	6.0	3.2	1.2	122.0	11.2	1.0
89F00147	M	3	2	49	0.0	6.6	3.3	1.0	124.2	17.9	1.0
89F00154	M	3	2	41	0.0	6.3	3.7	1.4	102.5	7.3	0.7
89F00172	M	3	2	42	0.0	6.2	3.4	1.2	134.0	13.2	0.9
89F00173	M	3	2	81	0.0	5.3	3.4	1.8	140.0	11.2	0.8
Mean				50.4	0.00	6.08	3.40	1.32	124.54	12.16	0.88
Std Dev				17.5	0.00	0.49	0.19	0.30	14.33	3.86	0.13
SEM				7.8	0.00	0.22	0.08	0.14	6.41	1.72	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	2	36	0.0	5.5	4.1	2.9	107.6	14.4	1.0
89F00131	M	4	2	57	0.0	5.5	4.5	4.4	129.0	9.4	1.3
89F00157	M	4	2	108	0.1	5.9	4.3	2.8	127.3	13.9	1.2
89F00169	M	4	2	41	0.1	5.4	3.9	2.8	130.6	15.6	1.7
89F00258	M	4	2	93	0.5	5.8	3.9	2.0	107.1	13.7	1.5
Mean				67.0	0.14	5.62	4.14	2.98	120.32	13.40	1.34
Std Dev				32.0	0.21	0.22	0.26	0.87	11.90	2.35	0.27
SEM				14.3	0.09	0.10	0.12	0.39	5.32	1.05	0.12
89F00116	M	5	2	138	0.0	5.6	4.2	3.1	115.1	16.9	0.9
89F00128	M	5	2	69	0.0	5.2	3.9	2.9	126.1	12.5	1.1
89F00148	M	5	2	110	0.0	5.4	3.9	2.5	120.7	8.5	0.9
89F00259	M	5	2	52	0.6	6.2	3.6	1.3	95.0	10.3	1.8
89F00261	M	5	2	199	0.0	5.6	3.8	2.2	92.1	15.4	0.9
Mean				113.6	0.12	5.60	3.88	2.40	109.80	12.72	1.12
Std Dev				58.5	0.27	0.37	0.22	0.71	15.37	3.48	0.39
SEM				26.2	0.12	0.17	0.10	0.32	6.87	1.56	0.17
89F00120	M	6	2	75	0.0	5.7	4.3	3.2	126.0	14.2	1.0
89F00143	M	6	2	58	0.1	5.8	4.1	2.5	144.0	14.0	1.0
89F00149	M	6	2	77	0.0	5.4	3.8	2.4	96.8	13.1	1.0
89F00177	M	6	2	87	0.0	6.1	4.8	3.7	112.1	8.0	1.2
89F00263	M	6	2	103	0.5	6.1	3.9	1.8	93.9	15.6	0.6
Mean				80.0	0.12	5.82	4.18	2.72	114.56	12.98	0.96
Std Dev				16.6	0.22	0.29	0.40	0.74	20.89	2.92	0.22
SEM				7.4	0.10	0.13	0.18	0.33	9.34	1.31	0.10

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	2	60	0.0	5.9	3.9	2.0	102.8	17.3	1.8
89F00137	M	7	2	25	0.1	5.7	4.1	2.5	131.0	15.2	0.8
89F00164	M	7	2	35	0.0	5.5	4.0	2.5	121.3	13.7	1.0
89F00171	M	7	2	109	0.0	5.9	3.7	1.7	139.3	9.7	0.8
89F00264	M	7	2	70	0.0	5.3	3.7	2.2	107.9	14.4	0.9
Mean				59.8	0.02	5.66	3.88	2.18	120.46	14.06	1.06
Std Dev				33.0	0.04	0.26	0.18	0.34	15.30	2.79	0.42
SEM				14.7	0.02	0.12	0.08	0.15	6.84	1.25	0.19
89F00125	M	8	2	45	0.0	5.7	3.6	1.6	91.5	10.0	1.2
89F00145	M	8	2	40	0.1	5.4	3.2	1.5	117.7	11.4	0.9
89F00158	M	8	2	63	0.0	6.4	3.8	1.5	108.6	16.8	1.0
89F00165	M	8	2	51	0.0	6.1	3.6	1.4	157.9	10.4	1.0
89F00266	M	8	2	99	0.5	5.8	3.8	1.9	117.2	12.0	1.3
Mean				59.6	0.12	5.88	3.60	1.58	118.58	12.12	1.08
Std Dev				23.6	0.22	0.38	0.24	0.19	24.40	2.73	0.16
SEM				10.6	0.10	0.17	0.11	0.09	10.91	1.22	0.07
89F00121	M	9	2	51	0.0	5.6	4.1	2.6	115.8	12.1	1.1
89F00139	M	9	2	64	0.1	6.5	3.4	1.1	126.4	11.7	0.8
89F00151	M	9	2	60	0.0	6.9	3.3	0.9	94.8	14.0	1.6
89F00156	M	9	2	35	0.1	6.8	3.6	1.1	112.9	12.3	1.0
89F00267	M	9	2	133	0.5	6.4	3.7	1.4	113.4	10.9	1.2
Mean				68.6	0.14	6.44	3.62	1.42	112.66	12.20	1.14
Std Dev				37.7	0.21	0.51	0.31	0.68	11.38	1.14	0.30
SEM				16.9	0.09	0.23	0.14	0.31	5.09	0.51	0.13

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	2	14.6	4.5	152.7	115	4.3	183.3	1.68
89F00136	M	10	2	2.6	3.6	153.5	102	3.0	14.7	1.50
89F00142	M	10	2	13.9	4.6	149.9	115	4.5	77.9	1.60
89F00168	M	10	2	12.4	4.9	153.5	108	3.7	553.4	2.08
89F00175	M	10	2	13.1	3.5	155.3	114	4.0	164.5	1.59
Mean				11.32	4.22	152.98	110.8	3.90	198.76	1.690
Std Dev				4.94	0.63	1.97	5.7	0.59	209.56	0.227
SEM				2.21	0.28	0.88	2.6	0.26	93.72	0.102

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	2	11.7	3.8	139.3	111	3.6	120.1	1.25
89F00130	M	1	2	13.5	3.6	149.5	113	3.9	236.9	1.89
89F00140	M	1	2	13.2	4.1	148.7	117	3.9	171.2	1.56
89F00155	M	1	2	11.9	3.7	154.1	114	4.1	89.9	1.87
89F00166	M	1	2	12.5	4.1	149.5	111	3.8	266.4	1.31
Mean				12.56	3.86	148.22	113.2	3.86	176.90	1.576
Std Dev				0.79	0.23	5.42	2.5	0.18	74.90	0.301
SEM				0.35	0.10	2.43	1.1	0.08	33.49	0.135
89F00118	M	2	2	13.3	5.4	146.7	116	3.7	221.4	1.63
89F00132	M	2	2	12.6	4.6	148.3	108	4.1	92.8	1.64
89F00141	M	2	2	12.1	4.8	147.6	113	4.6	263.5	1.71
89F00176	M	2	2	12.2	3.8	148.0	112	4.0	321.0	1.47
89F00257	M	2	2	13.8	3.9	149.6	113	3.9	239.9	1.67
Mean				12.80	4.50	148.04	112.4	4.06	227.72	1.624
Std Dev				0.73	0.66	1.06	2.9	0.34	84.22	0.092
SEM				0.33	0.30	0.47	1.3	0.15	37.67	0.041
89F00129	M	3	2	12.1	3.5	145.6	112	3.8	152.8	1.64
89F00147	M	3	2	11.9	4.6	150.0	115	3.6	303.6	1.88
89F00154	M	3	2	11.7	3.1	153.3	116	3.6	516.1	1.85
89F00172	M	3	2	12.1	3.5	148.0	117	4.2	287.0	1.63
89F00173	M	3	2	11.9	4.0	154.8	118	4.2	84.2	1.36
Mean				11.94	3.74	150.34	115.6	3.88	268.74	1.672
Std Dev				0.17	0.58	3.77	2.3	0.30	166.01	0.209
SEM				0.07	0.26	1.68	1.0	0.14	74.24	0.094

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	2	13.8	3.9	149.7	112	3.9	75.2	1.58
89F00131	M	4	2	13.4	3.8	150.4	111	3.9	135.6	1.33
89F00157	M	4	2	12.7	4.3	158.4	111	4.2	206.5	1.94
89F00169	M	4	2	12.3	3.1	158.9	116	3.9	415.3	1.51
89F00258	M	4	2	12.8	4.4	151.7	117	3.3	831.2	2.15
Mean				13.00	3.90	153.82	113.4	3.84	332.76	1.702
Std Dev				0.60	0.51	4.47	2.9	0.33	306.76	0.334
SEM				0.27	0.23	2.00	1.3	0.15	137.19	0.150
89F00116	M	5	2	13.8	4.6	148.5	113	4.0	557.3	1.75
89F00128	M	5	2	13.1	2.9	151.5	118	3.2	116.0	1.77
89F00148	M	5	2	12.4	3.8	154.5	119	3.9	136.0	1.91
89F00259	M	5	2	12.5	4.4	149.9	113	3.3	915.4	1.64
89F00261	M	5	2	13.7	4.4	149.9	113	3.9	147.8	1.95
Mean				13.10	4.02	150.86	115.2	3.66	374.50	1.804
Std Dev				0.65	0.69	2.30	3.0	0.38	353.94	0.126
SEM				0.29	0.31	1.03	1.4	0.17	158.29	0.056
89F00120	M	6	2	14.7	4.7	158.5	115	3.3	142.3	1.71
89F00143	M	6	2	13.4	3.1	147.4	116	4.5	108.8	1.52
89F00149	M	6	2	11.7	4.6	156.8	119	3.4	149.4	1.84
89F00177	M	6	2	12.3	4.0	154.9	117	3.7	73.0	1.99
89F00263	M	6	2	14.5	5.1	150.7	115	3.5	764.8	0.06
Mean				13.32	4.30	153.66	116.4	3.68	247.66	1.424
Std Dev				1.32	0.78	4.55	1.7	0.48	290.68	0.782
SEM				0.59	0.35	2.03	0.7	0.22	130.00	0.350

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	2	13.2	4.0	149.7	114	4.4	52.5	1.75
89F00137	M	7	2	13.7	3.8	150.7	114	3.9	135.8	1.60
89F00164	M	7	2	12.5	3.8	153.1	116	4.9	152.9	1.68
89F00171	M	7	2	12.2	3.3	149.0	109	3.5	295.4	1.07
89F00264	M	7	2	13.8	5.1	148.7	112	4.1	83.7	1.47
Mean				13.08	4.00	150.24	113.0	4.16	144.06	1.514
Std Dev				0.71	0.67	1.77	2.6	0.53	93.64	0.269
SEM				0.32	0.30	0.79	1.2	0.24	41.88	0.120
89F00125	M	8	2	12.5	3.6	147.4	114	3.3	505.0	1.48
89F00145	M	8	2	13.0	3.0	150.2	113	4.6	593.6	1.44
89F00158	M	8	2	12.7	4.2	150.4	113	3.8	330.0	1.66
89F00165	M	8	2	12.2	3.8	151.0	114	4.1	118.2	1.69
89F00266	M	8	2	13.1	5.0	147.6	111	3.8	56.9	1.63
Mean				12.70	3.92	149.32	113.0	3.92	320.74	1.580
Std Dev				0.37	0.74	1.69	1.2	0.48	234.05	0.112
SEM				0.16	0.33	0.76	0.5	0.21	104.67	0.050
89F00121	M	9	2	12.4	4.8	149.8	115	3.6	55.9	2.06
89F00139	M	9	2	13.8	4.2	153.1	116	4.6	161.8	1.47
89F00151	M	9	2	11.4	5.2	151.7	115	3.0	392.1	1.56
89F00156	M	9	2	11.7	4.2	150.5	114	3.5	232.3	1.72
89F00267	M	9	2	13.5	4.1	149.4	114	3.7	274.2	1.64
Mean				12.56	4.50	150.90	114.8	3.68	223.26	1.760
Std Dev				1.06	0.48	1.51	0.8	0.58	125.47	0.250
SEM				0.48	0.21	0.67	0.4	0.26	56.11	0.112

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	3	133.9	155.9	47.5	442.7	2.8	37921.1	0.0	34.2
89F00136	M	10	3	20.0	22.4	39.8	48.2	4.6	268.4	0.0	30.4
89F00142	M	10	3	35.5	11.5	70.2	60.8	7.9	668.1	0.0	23.6
89F00168	M	10	3	46.4	11.8	59.8	62.5	4.5	1125.9	0.0	44.3
89F00175	M	10	3	38.1	10.2	67.1	85.1	8.8	903.6	0.0	83.4
Mean				54.78	42.36	56.88	139.86	5.72	8177.4	0.00	43.18
Std Dev				45.25	63.66	12.94	169.81	2.53	16630.3	0.00	23.70
SEM				20.24	28.47	5.79	75.94	1.13	7437.3	0.00	10.60

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	3	44.6	55.0	51.0	173.7	3.3	1690.9	0.0	26.4
89F00130	M	1	3	26.8	22.4	71.3	51.4	5.5	358.9	0.0	16.2
89F00140	M	1	3	32.1	26.0	53.7	55.8	6.2	484.7	0.0	24.2
89F00155	M	1	3	39.1	14.7	32.2	109.4	5.6	972.4	0.0	37.3
89F00166	M	1	3	40.8	27.0	49.6	38.3	6.2	591.4	0.0	35.1
Mean				36.68	29.02	51.56	85.72	5.36	819.7	0.00	27.84
Std Dev				7.14	15.31	13.90	56.18	1.20	538.3	0.00	8.56
SEM				3.19	6.84	6.22	25.12	0.54	240.7	0.00	3.83
89F00118	M	2	3	26.9	24.8	90.9	55.9	4.9	417.7	0.0	32.6
89F00132	M	2	3	32.7	32.6	64.1	56.9	5.0	720.5	0.0	31.4
89F00141	M	2	3	97.7	74.6	67.2	132.6	5.8	1228.5	0.0	23.9
89F00176	M	2	3	48.0	35.3	136.1	26.8	8.6	744.8	0.0	26.6
89F00257	M	2	3	30.3	29.7	69.1	180.3	5.6	3207.8	0.0	50.9
Mean				47.12	39.40	85.48	90.50	5.98	1263.9	0.00	33.08
Std Dev				29.41	20.06	30.21	63.68	1.51	1124.8	0.00	10.57
SEM				13.15	8.97	13.51	28.48	0.68	503.0	0.00	4.73
89F00129	M	3	3	48.4	55.2	54.2	64.1	7.5	553.6	0.0	25.2
89F00147	M	3	3	37.6	36.2	66.9	50.4	10.2	357.5	0.0	29.2
89F00154	M	3	3	48.3	122.5	52.0	158.7	9.1	16288.9	0.0	35.0
89F00172	M	3	3	61.5	59.0	42.5	30.4	9.0	1021.0	0.0	27.1
89F00173	M	3	3	32.0	35.1	45.9	38.6	9.3	1421.3	0.0	34.6
Mean				45.56	61.60	52.30	68.44	9.02	3928.5	0.00	30.22
Std Dev				11.37	35.72	9.41	52.03	0.97	6922.1	0.00	4.42
SEM				5.08	15.97	4.21	23.27	0.44	3095.6	0.00	1.97

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	3	31.5	13.9	58.2	56.4	5.8	698.7	0.0	46.2
89F00131	M	4	3	65.4	12.9	42.6	112.9	5.8	1431.1	0.0	36.1
89F00157	M	4	3	73.2	23.6	46.9	162.4	8.2	3712.9	0.0	45.2
89F00169	M	4	3	57.5	13.9	39.0	71.8	7.9	1190.5	0.0	42.4
89F00258	M	4	3	44.0	14.3	38.1	70.5	5.2	852.0	0.0	51.2
Mean				54.32	15.72	44.96	94.80	6.58	1577.0	0.00	44.22
Std Dev				16.71	4.44	8.17	43.28	1.37	1227.8	0.00	5.54
SEM				7.47	1.98	3.66	19.35	0.61	549.1	0.00	2.48
89F00116	M	5	3	44.1	17.7	85.7	71.5	2.3	1238.6	0.0	32.3
89F00128	M	5	3	29.0	15.8	45.6	52.9	9.1	670.8	0.0	32.3
89F00148	M	5	3	39.1	17.4	44.8	121.2	8.6	1546.1	0.0	37.9
89F00259	M	5	3	43.1	34.0	23.3	162.8	4.1	1999.5	0.0	75.5
89F00261	M	5	3	24.0	9.2	102.4	40.2	6.0	650.6	0.0	49.2
Mean				35.86	18.82	60.36	89.72	6.02	1221.1	0.00	45.44
Std Dev				8.92	9.16	32.57	51.17	2.90	578.8	0.00	18.17
SEM				3.99	4.09	14.57	22.88	1.30	258.9	0.00	8.12
89F00120	M	6	3	48.3	11.4	38.5	58.3	5.1	2069.3	0.0	32.4
89F00143	M	6	3	46.2	17.9	38.7	228.0	6.4	1358.0	0.0	34.5
89F00149	M	6	3	33.2	69.1	49.2	385.4	5.2	1308.7	0.0	32.9
89F00177	M	6	3	35.9	21.9	37.3	331.8	8.1	973.9	0.0	44.7
89F00263	M	6	3	42.3	33.3	173.5	137.1	8.5	5898.1	0.0	37.8
Mean				41.18	30.72	67.44	228.12	6.66	2321.6	0.00	36.46
Std Dev				6.49	22.89	59.48	134.73	1.59	2038.7	0.00	5.07
SEM				2.90	10.23	26.60	60.25	0.71	911.8	0.00	2.27

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	3	46.9	47.7	76.9	170.6	4.0	1329.7	0.0	22.7
89F00137	M	7	3	23.6	29.0	110.1	97.9	5.8	836.4	0.0	21.0
89F00164	M	7	3	37.2	47.3	75.9	61.9	6.6	644.8	0.0	23.9
89F00171	M	7	3	19.6	25.8	96.9	54.5	7.1	237.4	0.0	34.1
89F00264	M	7	3	25.5	13.0	131.3	70.3	6.9	606.4	0.0	33.2
Mean				30.56	32.56	98.22	91.04	6.08	730.9	0.00	26.98
Std Dev				11.24	14.90	23.40	47.41	1.26	398.8	0.00	6.18
SEM				5.03	6.66	10.46	21.20	0.57	178.3	0.00	2.77
89F00125	M	8	3	43.1	44.6	73.8	70.9	6.1	754.9	0.0	19.5
89F00145	M	8	3	32.0	31.8	60.3	35.4	8.1	577.0	0.0	22.3
89F00158	M	8	3	46.4	40.9	55.1	69.7	6.5	1017.5	0.0	28.6
89F00165	M	8	3	33.2	36.2	68.5	142.8	8.5	1025.8	0.0	32.0
89F00266	M	8	3	46.9	49.8	95.2	58.6	6.9	566.8	0.0	55.1
Mean				40.32	40.66	70.58	75.48	7.22	788.4	0.00	31.50
Std Dev				7.21	7.03	15.54	40.24	1.04	225.7	0.00	14.09
SEM				3.22	3.14	6.95	18.00	0.46	100.9	0.00	6.30
89F00121	M	9	3	100.4	119.6	66.7	239.6	4.2	1044.4	0.0	26.9
89F00139	M	9	3	30.4	38.5	83.4	40.8	5.6	340.1	0.0	15.6
89F00151	M	9	3	91.8	38.9	31.4	228.3	6.7	1966.8	0.0	67.4
89F00156	M	9	3	18.7	26.8	98.6	168.5	4.4	582.1	0.0	15.6
89F00267	M	9	3	22.3	41.9	89.9	92.7	7.7	1134.0	0.0	29.1
Mean				52.72	53.14	74.00	153.98	5.72	1013.5	0.00	30.92
Std Dev				39.94	37.60	26.53	86.07	1.50	625.3	0.00	21.33
SEM				17.86	16.81	11.86	38.49	0.67	279.6	0.00	9.54

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	3	62	0.1	5.6	4.2	3.2	142.8	10.8	1.1
89F00136	M	10	3	42	0.0	6.3	3.3	1.1	117.8	8.3	0.9
89F00142	M	10	3	25	0.1	5.4	4.2	3.7	115.8	19.9	1.0
89F00168	M	10	3	101	0.0	5.4	3.9	2.5	121.6	13.6	1.0
89F00175	M	10	3	168	0.0	5.6	4.2	2.9	132.4	12.7	1.2
Mean				79.6	0.04	5.66	3.96	2.68	126.08	13.06	1.04
Std Dev				57.0	0.05	0.37	0.39	0.99	11.33	4.33	0.11
SEM				25.5	0.02	0.17	0.17	0.44	5.07	1.94	0.05

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	3	54	0.1	5.1	3.1	1.6	141.5	9.8	1.0
89F00130	M	1	3	82	0.0	5.8	3.9	2.0	117.5	13.4	1.5
89F00140	M	1	3	30	0.0	5.1	3.7	2.6	125.4	13.4	0.9
89F00155	M	1	3	43	0.0	5.4	4.0	2.9	134.4	12.0	1.4
89F00166	M	1	3	73	0.0	5.9	4.0	2.0	125.1	11.6	0.9
Mean				56.4	0.02	5.46	3.74	2.22	128.78	12.04	1.14
Std Dev				21.3	0.04	0.38	0.38	0.52	9.29	1.49	0.29
SEM				9.5	0.02	0.17	0.17	0.23	4.16	0.67	0.13
89F00118	M	2	3	61	0.0	5.9	3.4	1.3	107.2	14.2	0.9
89F00132	M	2	3	29	0.0	5.5	3.3	1.5	115.9	11.4	1.1
89F00141	M	2	3	49	0.0	6.3	4.0	1.7	127.8	12.0	1.3
89F00176	M	2	3	51	0.0	6.1	3.5	1.3	129.1	13.3	1.0
89F00257	M	2	3	71	0.6	6.2	3.4	1.2	120.4	15.1	1.2
Mean				52.2	0.12	6.00	3.52	1.40	120.08	13.20	1.10
Std Dev				15.7	0.27	0.32	0.28	0.20	9.01	1.52	0.16
SEM				7.0	0.12	0.14	0.12	0.09	4.03	0.68	0.07
89F00129	M	3	3	31	0.1	6.1	3.5	1.3	132.1	11.3	1.0
89F00147	M	3	3	70	0.0	7.4	3.5	0.9	141.2	21.2	1.1
89F00154	M	3	3	46	0.0	6.0	3.5	1.4	115.9	13.2	1.1
89F00172	M	3	3	57	0.0	6.3	3.1	1.0	123.5	13.8	1.0
89F00173	M	3	3	117	0.0	6.4	3.2	1.0	138.9	13.1	1.4
Mean				64.2	0.02	6.44	3.36	1.12	130.32	14.52	1.12
Std Dev				32.8	0.04	0.56	0.19	0.22	10.60	3.85	0.16
SEM				14.7	0.02	0.25	0.09	0.10	4.74	1.72	0.07

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	3	55	0.0	5.4	4.3	4.0	128.5	12.7	1.1
89F00131	M	4	3	52	0.0	5.0	4.0	3.7	131.3	13.1	1.1
89F00157	M	4	3	149	0.0	6.3	5.1	4.1	100.5	10.6	1.2
89F00169	M	4	3	87	0.1	5.8	4.2	2.7	163.2	16.3	1.6
89F00258	M	4	3	182	0.6	6.3	4.1	1.8	124.2	12.3	1.9
Mean				105.0	0.14	5.76	4.34	3.26	129.54	13.00	1.38
Std Dev				58.1	0.26	0.57	0.44	0.99	22.41	2.08	0.36
SEM				26.0	0.12	0.25	0.20	0.44	10.02	0.93	0.16
89F00116	M	5	3	68	0.0	6.1	4.9	4.2	138.0	15.6	0.6
89F00128	M	5	3	61	0.0	5.2	4.0	3.3	116.9	11.2	1.0
89F00148	M	5	3	63	0.1	5.8	4.3	2.9	115.8	11.6	1.4
89F00259	M	5	3	50	0.5	6.4	3.6	1.3	122.4	14.0	1.1
89F00261	M	5	3	192	0.0	5.7	3.8	1.9	124.6	13.9	1.1
Mean				86.8	0.12	5.84	4.12	2.72	123.54	13.26	1.04
Std Dev				59.2	0.22	0.45	0.51	1.15	8.88	1.83	0.29
SEM				26.5	0.10	0.20	0.23	0.51	3.97	0.82	0.13
89F00120	M	6	3	65	0.0	5.5	3.8	2.2	120.7	10.9	1.5
89F00143	M	6	3	61	0.1	5.8	4.2	2.6	145.1	17.3	1.0
89F00149	M	6	3	74	0.0	6.4	3.0	0.9	155.9	17.8	2.1
89F00177	M	6	3	71	0.0	5.2	4.2	4.1	147.5	14.7	1.2
89F00263	M	6	3	81	0.5	6.2	3.7	1.5	115.0	12.3	1.2
Mean				70.4	0.12	5.82	3.78	2.26	136.84	14.60	1.40
Std Dev				7.8	0.22	0.49	0.49	1.22	17.91	3.02	0.43
SEM				3.5	0.10	0.22	0.22	0.54	8.01	1.35	0.19

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	3	71	0.0	5.9	3.8	1.8	115.5	16.6	1.8
89F00137	M	7	3	81	0.0	5.9	4.2	2.6	128.1	16.5	0.9
89F00164	M	7	3	117	0.1	5.6	3.8	2.0	121.0	12.9	1.0
89F00171	M	7	3	113	0.0	5.9	3.7	1.7	130.9	10.9	0.8
89F00264	M	7	3	56	0.5	5.7	3.8	2.0	122.0	13.8	1.0
Mean				87.6	0.12	5.80	3.86	2.02	123.50	14.14	1.10
Std Dev				26.6	0.22	0.14	0.19	0.35	6.09	2.44	0.40
SEM				11.9	0.10	0.06	0.09	0.16	2.72	1.09	0.18
89F00125	M	8	3	49	0.0	5.9	3.3	1.3	112.7	11.8	0.9
89F00145	M	8	3	32	0.0	5.8	3.3	1.3	120.2	13.0	1.0
89F00158	M	8	3	63	0.0	6.8	4.0	1.4	101.3	15.5	1.1
89F00165	M	8	3	48	0.0	5.9	3.7	1.7	159.8	10.7	1.1
89F00266	M	8	3	100	0.6	7.2	3.9	1.2	120.5	15.7	1.3
Mean				58.4	0.12	6.32	3.64	1.38	122.90	13.34	1.08
Std Dev				25.7	0.27	0.64	0.33	0.19	22.05	2.22	0.15
SEM				11.5	0.12	0.29	0.15	0.09	9.86	0.99	0.07
89F00121	M	9	3	75	0.1	6.4	3.5	1.2	124.9	9.8	1.2
89F00139	M	9	3	65	0.1	6.6	3.3	1.0	111.7	14.8	0.9
89F00151	M	9	3	139	0.0	5.7	4.0	2.3	135.6	14.8	2.2
89F00156	M	9	3	61	0.0	6.6	2.7	0.7	124.1	12.1	0.8
89F00267	M	9	3	45	0.5	7.1	3.7	1.1	106.1	11.1	1.1
Mean				77.0	0.14	6.48	3.44	1.26	120.48	12.52	1.24
Std Dev				36.3	0.21	0.51	0.49	0.61	11.67	2.24	0.56
SEM				16.2	0.09	0.23	0.22	0.27	5.22	1.00	0.25

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	3	11.3	4.7	148.3	113	4.4	96.9	1.74
89F00136	M	10	3	11.3	3.1	152.7	114	3.6	507.8	1.19
89F00142	M	10	3	14.4	4.5	146.6	111	4.3	59.1	1.59
89F00168	M	10	3	13.0	4.1	150.9	112	3.9	580.1	1.87
89F00175	M	10	3	13.8	4.5	156.7	119	5.9	179.9	1.69
Mean				12.76	4.18	151.04	113.8	4.42	284.76	1.616
Std Dev				1.42	0.64	3.94	3.1	0.89	241.96	0.259
SEM				0.64	0.29	1.76	1.4	0.40	108.21	0.116

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	3	12.4	3.7	150.2	116	3.8	82.8	1.39
89F00130	M	1	3	13.2	3.9	151.0	112	4.1	528.4	1.82
89F00140	M	1	3	12.4	3.9	148.9	114	3.8	118.5	1.48
89F00155	M	1	3	11.5	3.6	149.3	115	4.3	107.2	1.71
89F00166	M	1	3	13.0	3.9	154.6	114	4.6	472.3	1.63
Mean				12.50	3.80	150.80	114.2	4.12	261.84	1.606
Std Dev				0.66	0.14	2.27	1.5	0.34	219.01	0.173
SEM				0.30	0.06	1.02	0.7	0.15	97.94	0.077
89F00118	M	2	3	12.6	5.0	146.6	110	4.0	181.1	1.52
89F00132	M	2	3	13.8	4.4	146.7	112	3.6	231.9	1.87
89F00141	M	2	3	12.2	4.2	146.1	117	4.1	269.8	1.48
89F00176	M	2	3	12.2	4.2	152.0	112	4.8	568.5	1.33
89F00257	M	2	3	13.3	4.4	147.7	117	4.0	500.3	1.71
Mean				12.82	4.44	147.82	113.6	4.10	350.32	1.582
Std Dev				0.71	0.33	2.41	3.2	0.44	172.65	0.210
SEM				0.32	0.15	1.08	1.4	0.19	77.21	0.094
89F00129	M	3	3	11.8	3.7	146.3	113	4.3	234.6	1.62
89F00147	M	3	3	13.1	4.9	162.2	120	4.3	541.3	1.99
89F00154	M	3	3	12.2	4.1	149.2	113	3.9	348.0	1.85
89F00172	M	3	3	12.3	4.0	152.1	118	4.5	550.8	1.43
89F00173	M	3	3	12.7	4.2	150.3	113	3.9	396.0	1.49
Mean				12.42	4.18	152.02	115.4	4.18	414.14	1.676
Std Dev				0.50	0.44	6.07	3.4	0.27	133.96	0.238
SEM				0.22	0.20	2.71	1.5	0.12	59.91	0.107

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	3	13.6	3.8	148.0	113	4.3	135.7	1.69
89F00131	M	4	3	13.7	4.5	161.4	107	3.5	105.9	1.58
89F00157	M	4	3	13.7	4.7	158.2	111	5.0	209.2	2.01
89F00169	M	4	3	13.6	4.7	155.8	112	4.7	248.4	2.00
89F00258	M	4	3	13.7	4.1	149.6	116	3.5	1096.5	1.79
Mean				13.66	4.36	154.60	111.8	4.20	359.14	1.814
Std Dev				0.05	0.40	5.68	3.3	0.69	416.08	0.190
SEM				0.02	0.18	2.54	1.5	0.31	186.09	0.085
89F00116	M	5	3	14.8	4.4	150.9	113	4.9	109.5	2.02
89F00128	M	5	3	13.1	3.8	150.1	112	3.6	235.3	1.83
89F00148	M	5	3	12.4	4.4	156.8	118	3.8	127.6	1.91
89F00259	M	5	3	13.5	4.0	150.0	114	4.4	928.4	1.40
89F00261	M	5	3	14.1	5.2	149.0	114	4.5	401.5	1.78
Mean				13.58	4.36	151.36	114.2	4.24	360.46	1.788
Std Dev				0.92	0.54	3.11	2.3	0.53	338.05	0.235
SEM				0.41	0.24	1.39	1.0	0.24	151.18	0.105
89F00120	M	6	3	12.8	4.3	146.1	114	3.4	489.0	1.46
89F00143	M	6	3	13.9	4.1	146.2	108	5.3	129.6	1.75
89F00149	M	6	3	9.9	5.3	150.1	113	3.4	162.7	1.71
89F00177	M	6	3	13.2	2.5	159.0	118	5.2	297.6	1.84
89F00263	M	6	3	13.7	5.2	150.0	113	3.7	864.8	1.84
Mean				12.70	4.28	150.28	113.2	4.20	388.74	1.720
Std Dev				1.62	1.13	5.25	3.6	0.97	301.35	0.156
SEM				0.73	0.50	2.35	1.6	0.43	134.77	0.070

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	3	12.6	4.5	148.7	114	4.2	74.0	1.48
89F00137	M	7	3	13.6	4.6	149.3	111	4.5	120.8	1.43
89F00164	M	7	3	12.1	3.7	151.0	118	4.8	119.2	1.85
89F00171	M	7	3	12.4	4.6	150.8	115	4.1	281.9	1.67
89F00264	M	7	3	14.2	5.2	147.3	112	4.3	814.5	1.51
Mean				12.98	4.52	149.42	114.0	4.38	282.08	1.588
Std Dev				0.88	0.54	1.54	2.7	0.28	307.94	0.172
SEM				0.40	0.24	0.69	1.2	0.12	137.72	0.077
89F00125	M	8	3	12.6	4.0	148.7	115	4.3	591.1	1.48
89F00145	M	8	3	12.6	3.7	150.7	119	5.1	248.6	1.56
89F00158	M	8	3	12.7	4.4	150.9	118	3.8	304.9	1.81
89F00165	M	8	3	12.3	4.2	151.2	120	4.7	199.2	1.61
89F00266	M	8	3	12.8	5.3	147.2	109	3.8	996.7	1.59
Mean				12.60	4.32	149.74	116.2	4.34	468.10	1.610
Std Dev				0.19	0.61	1.73	4.4	0.57	332.29	0.122
SEM				0.08	0.27	0.77	2.0	0.25	148.60	0.055
89F00121	M	9	3	12.5	4.7	153.0	115	4.4	88.7	1.81
89F00139	M	9	3	13.4	4.4	151.4	119	4.3	467.0	1.43
89F00151	M	9	3	10.8	4.0	153.8	112	3.4	72.4	1.50
89F00156	M	9	3	12.0	4.6	149.3	113	4.1	182.6	1.52
89F00267	M	9	3	12.5	4.5	147.2	110	3.6	566.2	1.51
Mean				12.24	4.44	150.94	113.8	3.96	275.38	1.554
Std Dev				0.95	0.27	2.71	3.4	0.44	226.91	0.147
SEM				0.42	0.12	1.21	1.5	0.20	101.48	0.066

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	7	58.0	17.9	28.9	208.9	4.3	973.0	0.0	51.2
89F00136	M	10	7	58.3	27.0	36.7	195.4	4.8	1232.5	0.0	161.8
89F00142	M	10	7	33.2	11.4	64.5	76.1	6.8	578.4	0.0	25.6
89F00168	M	10	7	46.6	21.5	56.2	223.4	6.0	1218.5	0.0	56.1
89F00175	M	10	7	29.6	10.5	42.0	65.5	5.3	564.7	0.0	71.8
Mean				45.14	17.66	45.66	153.86	5.44	913.4	0.00	73.30
Std Dev				13.46	6.94	14.50	76.56	0.99	328.8	0.00	52.19
SEM				6.02	3.10	6.48	34.24	0.44	147.0	0.00	23.34

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	7	33.2	40.0	55.8	183.0	4.9	1282.6	0.0	22.6
89F00130	M	1	7	30.1	28.6	56.9	132.4	5.3	565.7	0.0	17.9
89F00140	M	1	7	33.1	31.4	58.9	51.6	5.4	297.8	0.0	25.6
89F00155	M	1	7	20.4	23.2	52.6	30.9	7.2	340.5	0.0	30.3
89F00166	M	1	7	32.4	21.4	46.3	62.3	5.7	368.9	0.0	24.3
Mean				29.84	28.92	54.10	92.04	5.70	571.1	0.00	24.14
Std Dev				5.42	7.39	4.92	63.56	0.89	410.8	0.00	4.51
SEM				2.43	3.30	2.20	28.43	0.40	183.7	0.00	2.02
89F00118	M	2	7	26.5	26.9	69.1	162.4	5.9	961.9	0.0	31.3
89F00132	M	2	7	25.9	28.9	48.3	53.8	4.3	618.1	0.0	26.4
89F00141	M	2	7	82.5	101.1	55.1	246.7	5.6	1767.3	0.0	23.9
89F00176	M	2	7	38.0	35.9	119.9	37.7	5.8	642.9	0.0	22.1
89F00257	M	2	7	21.4	25.0	56.0	62.5	5.4	1426.0	0.0	32.4
Mean				38.86	43.56	69.68	112.62	5.40	1083.2	0.00	27.22
Std Dev				25.15	32.43	29.07	89.50	0.64	502.6	0.00	4.51
SEM				11.25	14.50	13.00	40.03	0.29	224.8	0.00	2.02
89F00129	M	3	7	40.0	52.3	43.4	50.5	7.0	736.8	0.0	28.4
89F00147	M	3	7	32.1	35.4	58.3	102.3	7.1	450.4	0.0	22.0
89F00154	M	3	7	63.4	56.1	21.0	23.3	4.5	732.4	0.0	33.6
89F00172	M	3	7	39.4	36.3	32.4	24.0	7.7	535.2	0.0	19.6
89F00173	M	3	7	68.4	69.2	31.3	43.1	6.8	470.7	0.0	42.2
Mean				48.66	49.86	37.28	48.64	6.62	585.1	0.00	29.16
Std Dev				16.14	14.25	14.18	32.26	1.23	140.0	0.00	9.12
SEM				7.22	6.37	6.34	14.43	0.55	62.6	0.00	4.08

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	7	34.5	16.4	57.1	104.3	7.1	2875.8	0.0	50.5
89F00131	M	4	7	51.7	15.5	26.9	66.3	6.1	4328.5	0.0	45.6
89F00157	M	4	7	46.3	15.5	71.7	123.3	8.4	792.5	0.0	56.0
89F00169	M	4	7	49.2	10.2	35.9	68.9	7.2	849.7	0.0	30.3
89F00258	M	4	7	35.3	23.5	6.3	100.6	5.5	516.8	0.0	59.0
Mean				43.40	16.22	39.58	92.68	6.86	1872.6	0.00	48.28
Std Dev				8.00	4.75	25.60	24.48	1.11	1665.0	0.00	11.29
SEM				3.58	2.12	11.45	10.95	0.50	744.6	0.00	5.05
89F00116	M	5	7	34.0	11.5	67.2	54.5	3.9	801.9	0.0	31.3
89F00128	M	5	7	28.6	12.2	47.2	65.2	7.5	624.6	0.0	44.1
89F00148	M	5	7	30.3	47.1	28.8	339.0	5.3	8026.6	0.0	26.8
89F00259	M	5	7	18.1	9.3	8.7	62.6	4.5	922.7	0.0	92.3
89F00261	M	5	7	20.5	25.4	28.8	372.8	3.9	1412.7	0.0	72.5
Mean				26.30	21.10	36.14	178.82	5.02	2357.7	0.00	53.40
Std Dev				6.74	15.85	22.07	162.14	1.50	3182.5	0.00	28.11
SEM				3.01	7.09	9.87	72.51	0.67	1423.3	0.00	12.57
89F00120	M	6	7	47.8	12.8	40.8	112.8	5.9	2004.3	0.0	8.2
89F00143	M	6	7	51.6	29.7	30.5	471.1	5.5	1955.6	0.0	62.4
89F00149	M	6	7	32.5	18.5	46.5	258.7	6.7	1284.3	0.0	44.5
89F00177	M	6	7	42.0	11.5	27.9	115.5	6.4	738.0	0.0	24.5
89F00263	M	6	7	24.8	9.0	83.5	72.8	6.6	286.7	0.0	49.5
Mean				39.74	16.30	45.84	206.18	6.22	1253.8	0.00	37.82
Std Dev				11.03	8.26	22.37	164.07	0.51	751.3	0.00	21.45
SEM				4.93	3.69	10.00	73.37	0.23	336.0	0.00	9.59

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	7	41.4	45.7	67.9	70.7	5.5	765.6	0.0	22.0
89F00137	M	7	7	20.8	32.5	100.8	180.8	5.2	701.5	0.0	21.8
89F00164	M	7	7	35.5	44.1	45.7	154.4	7.1	1076.1	0.0	30.2
89F00171	M	7	7	17.6	30.1	86.8	45.3	7.1	240.1	0.0	20.0
89F00264	M	7	7	22.1	20.4	85.5	63.1	6.4	282.8	0.0	35.1
Mean				27.48	34.56	77.34	102.86	6.26	613.2	0.00	25.82
Std Dev				10.36	10.49	21.19	60.54	0.88	351.3	0.00	6.52
SEM				4.63	4.69	9.48	27.07	0.40	157.1	0.00	2.91
89F00266	M	8	7	died							
89F00125	M	8	7	32.3	45.9	65.4	82.9	5.9	943.7	0.0	16.7
89F00145	M	8	7	26.4	35.6	68.7	51.5	8.5	754.0	0.0	20.3
89F00158	M	8	7	35.3	36.2	51.1	84.3	6.7	629.1	0.0	21.7
89F00165	M	8	7	23.3	30.9	57.2	68.4	7.2	488.7	0.0	29.9
Mean				29.33	37.15	60.60	71.78	7.08	703.9	0.00	22.15
Std Dev				5.46	6.30	7.97	15.31	1.09	193.1	0.00	5.58
SEM				2.73	3.15	3.98	7.65	0.55	96.6	0.00	2.79
89F00121	M	9	7	42.6	55.2	51.4	279.2	4.6	1903.5	0.0	23.5
89F00139	M	9	7	23.2	30.7	76.9	43.7	5.2	243.2	0.0	10.8
89F00151		9	7	17.4	36.6	46.0	164.9	4.4	716.8	0.0	31.6
89F00156		9	7	20.7	28.4	53.6	124.3	5.0	840.0	0.0	27.4
89F00267	M	9	7	21.2	57.5	48.5	43.5	6.8	366.8	0.0	18.5
Mean				25.02	41.68	55.28	131.12	5.20	814.0	0.00	22.36
Std Dev				10.05	13.75	12.42	98.02	0.95	656.3	0.00	8.07
SEM				4.49	6.15	5.56	43.84	0.42	293.5	0.00	3.61

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	7	69	0.0	5.9	3.7	1.7	120.2	12.0	0.9
89F00136	M	10	7	83	0.0	5.7	3.9	2.2	121.6	14.9	1.2
89F00142	M	10	7	35	0.0	6.0	4.1	2.1	92.2	16.4	1.0
89F00168	M	10	7	67	0.1	5.7	3.7	1.8	110.2	15.4	1.0
89F00175	M	10	7	54	0.0	6.1	3.5	1.3	119.0	11.1	1.7
Mean				61.6	0.02	5.88	3.78	1.82	112.64	13.96	1.16
Std Dev				18.1	0.04	0.18	0.23	0.36	12.26	2.29	0.32
SEM				8.1	0.02	0.08	0.10	0.16	5.48	1.02	0.14

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	7	47	0.0	5.8	3.5	1.5	123.8	12.2	1.1
89F00130	M	1	7	53	0.0	6.2	3.4	1.2	142.6	22.5	1.3
89F00140	M	1	7	45	0.0	6.3	3.4	1.2	101.6	13.4	1.1
89F00155	M	1	7	149	0.1	5.6	2.9	1.1	121.0	11.8	1.3
89F00166	M	1	7	63	0.0	6.3	3.4	1.1	124.9	16.4	1.2
Mean				71.4	0.02	6.04	3.32	1.22	122.78	15.26	1.20
Std Dev				43.9	0.04	0.32	0.24	0.16	14.58	4.43	0.10
SEM				19.7	0.02	0.14	0.11	0.07	6.52	1.98	0.04
89F00118	M	2	7	88	0.0	6.3	3.2	1.1	114.9	18.5	1.2
89F00132	M	2	7	28	0.0	5.9	2.6	0.8	102.0	10.9	1.1
89F00141	M	2	7	62	0.0	6.9	2.6	0.6	119.6	11.3	1.7
89F00176	M	2	7	53	0.0	6.8	3.2	0.9	122.1	19.2	0.9
89F00257	M	2	7	112	0.0	6.3	3.2	1.0	134.1	14.8	1.0
Mean				68.6	0.00	6.44	2.96	0.88	118.54	14.94	1.18
Std Dev				32.4	0.00	0.41	0.33	0.19	11.65	3.89	0.31
SEM				14.5	0.00	0.18	0.15	0.09	5.21	1.74	0.14
89F00129	M	3	7	21	0.0	7.0	2.5	0.6	142.2	16.5	1.1
89F00147	M	3	7	51	0.0	6.9	3.1	0.8	137.6	17.5	0.9
89F00154	M	3	7	91	0.0	6.6	2.9	0.8	129.0	13.7	0.6
89F00172	M	3	7	80	0.0	6.6	2.8	0.7	109.6	15.5	1.1
89F00173	M	3	7	71	0.0	5.7	2.1	0.6	119.4	13.2	0.9
Mean				62.8	0.00	6.56	2.68	0.70	127.56	15.28	0.92
Std Dev				27.6	0.00	0.51	0.39	0.10	13.29	1.82	0.20
SEM				12.3	0.00	0.23	0.17	0.04	5.94	0.82	0.09

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	7	46	0.0	5.8	3.8	1.9	106.9	17.6	1.3
89F00131	M	4	7	84	0.0	6.1	3.5	1.3	110.1	14.3	1.2
89F00157	M	4	7	54	0.0	6.2	4.6	2.7	121.2	18.1	1.3
89F00169	M	4	7	42	0.0	5.4	3.6	2.0	125.5	18.7	1.6
89F00258	M	4	7	97	0.0	5.5	3.5	1.8	144.2	13.4	2.1
Mean				64.6	0.00	5.80	3.80	1.94	121.58	16.42	1.50
Std Dev				24.5	0.00	0.35	0.46	0.50	14.79	2.40	0.37
SEM				10.9	0.00	0.16	0.21	0.22	6.61	1.07	0.16
89F00116	M	5	7	221	0.0	6.1	4.3	2.4	130.5	19.5	2.4
89F00128	M	5	7	55	0.0	5.3	3.6	2.0	120.9	14.0	1.2
89F00148	M	5	7	78	0.0	5.6	4.0	2.5	108.9	12.2	1.0
89F00259	M	5	7	39	0.0	6.3	3.6	1.4	122.2	10.8	0.8
89F00261	M	5	7	49	0.0	5.6	3.6	1.8	164.6	12.4	0.8
Mean				88.4	0.00	5.78	3.82	2.02	129.42	13.78	1.24
Std Dev				75.5	0.00	0.41	0.32	0.45	21.12	3.39	0.67
SEM				33.8	0.00	0.18	0.14	0.20	9.45	1.52	0.30
89F00120	M	6	7	60	0.0	5.8	3.8	1.9	118.3	15.2	1.0
89F00143	M	6	7	56	0.0	6.1	3.8	1.7	132.2	13.3	1.1
89F00149	M	6	7	102	0.0	6.0	4.3	2.5	120.6	18.0	1.0
89F00177	M	6	7	49	0.0	5.4	3.6	2.0	126.9	19.9	1.0
89F00263	M	6	7	88	0.1	6.4	3.6	1.3	124.1	19.3	1.1
Mean				71.0	0.02	5.94	3.82	1.88	124.42	17.14	1.04
Std Dev				22.8	0.04	0.37	0.29	0.44	5.45	2.81	0.05
SEM				10.2	0.02	0.17	0.13	0.20	2.44	1.26	0.02

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	7	90	0.0	6.5	3.5	1.2	109.1	17.2	1.1
89F00137	M	7	7	54	0.0	6.3	3.4	1.2	109.2	15.9	0.9
89F00164	M	7	7	83	0.1	5.9	3.3	1.2	122.9	11.0	1.0
89F00171	M	7	7	77	0.0	6.5	3.4	1.1	133.6	13.4	1.7
89F00264	M	7	7	78	0.2	5.9	3.9	2.0	145.9	17.3	1.0
Mean				76.4	0.06	6.22	3.50	1.34	124.14	14.96	1.14
Std Dev				13.5	0.09	0.30	0.23	0.37	15.92	2.72	0.32
SEM				6.1	0.04	0.14	0.10	0.17	7.12	1.21	0.14
89F00266	M	8	7	died							
89F00125	M	8	7	46	0.0	6.5	2.9	0.8	115.2	11.0	1.0
89F00145	M	8	7	25	0.0	6.2	3.1	1.0	130.0	18.0	1.1
89F00158	M	8	7	47	0.0	6.7	3.1	0.9	122.0	16.6	1.1
89F00165	M	8	7	31	0.0	6.6	3.1	0.9	148.7	12.0	1.1
Mean				37.3	0.00	6.50	3.05	0.90	128.98	14.40	1.08
Std Dev				11.0	0.00	0.22	0.10	0.08	14.47	3.42	0.05
SEM				5.5	0.00	0.11	0.05	0.04	7.24	1.71	0.02
89F00121	M	9	7	35	0.0	4.7	3.2	2.2	123.6	12.7	1.1
89F00139	M	9	7	35	0.0	8.3	3.2	0.6	130.7	15.5	0.9
89F00151	M	9	7	38	0.0	6.7	2.4	0.6	116.1	12.8	1.0
89F00156	M	9	7	48	0.1	6.6	3.3	1.0	153.6	11.2	1.1
89F00267	M	9	7	36	0.0	6.7	2.9	0.8	123.1	7.6	0.8
Mean				38.4	0.02	6.60	3.00	1.04	129.42	11.96	0.98
Std Dev				5.5	0.04	1.28	0.37	0.67	14.47	2.89	0.13
SEM				2.5	0.02	0.57	0.16	0.30	6.47	1.29	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	7	12.7	4.3	150.2	110	3.6	317.2	1.70
89F00136	M	10	7	13.2	3.9	150.7	118	3.3	272.3	1.23
89F00142	M	10	7	14.1	4.0	152.4	110	4.0	660.2	1.61
89F00168	M	10	7	13.1	4.3	149.6	114	3.9	41.5	1.53
89F00175	M	10	7	13.3	3.1	151.5	113	3.7	347.9	1.34
Mean				13.28	3.92	150.88	113.0	3.70	327.82	1.482
Std Dev				0.51	0.49	1.10	3.3	0.27	221.39	0.194
SEM				0.23	0.22	0.49	1.5	0.12	99.01	0.087

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	7	12.5	3.9	153.5	122	3.8	204.4	1.46
89F00130	M	1	7	12.1	4.8	148.6	117	4.5	68.0	1.77
89F00140	M	1	7	12.1	4.3	151.0	114	3.5	330.9	1.65
89F00155	M	1	7	13.1	4.4	142.7	108	3.8	418.8	1.46
89F00166	M	1	7	13.5	3.4	150.7	113	4.1	470.6	1.52
Mean				12.66	4.16	149.30	114.8	3.94	298.54	1.572
Std Dev				0.62	0.53	4.08	5.2	0.38	163.65	0.135
SEM				0.28	0.24	1.82	2.3	0.17	73.19	0.060
89F00118	M	2	7	12.3	6.2	148.1	118	4.3	301.0	1.84
89F00132	M	2	7	11.9	4.4	151.9	113	3.4	443.4	1.51
89F00141	M	2	7	10.7	4.2	148.3	115	2.6	241.9	1.34
89F00176	M	2	7	11.4	2.4	150.3	113	5.2	29.0	1.82
89F00257	M	2	7	12.6	4.5	147.2	112	4.2	465.9	1.56
Mean				11.78	4.34	149.16	114.2	3.94	296.24	1.614
Std Dev				0.75	1.35	1.90	2.4	0.98	176.66	0.213
SEM				0.34	0.60	0.85	1.1	0.44	79.00	0.095
89F00129	M	3	7	11.4	3.4	149.6	113	4.4	280.5	1.60
89F00147	M	3	7	12.2	5.2	145.4	113	3.8	163.3	1.58
89F00154	M	3	7	9.9	3.6	151.1	113	3.9	148.4	1.33
89F00172	M	3	7	11.5	4.8	147.0	114	4.0	147.9	1.52
89F00173	M	3	7	10.2	4.0	149.9	114	3.5	97.2	1.02
Mean				11.04	4.20	148.60	113.4	3.92	167.46	1.410
Std Dev				0.96	0.77	2.33	0.5	0.33	67.97	0.243
SEM				0.43	0.35	1.04	0.2	0.15	30.40	0.109

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	7	13.6	5.0	151.6	109	3.9	824.3	1.88
89F00131	M	4	7	13.6	3.4	151.5	110	4.2	1178.9	1.56
89F00157	M	4	7	14.8	4.7	150.8	113	5.3	314.5	1.96
89F00169	M	4	7	13.2	4.0	151.1	115	4.0	575.1	1.75
89F00258	M	4	7	12.0	3.9	145.3	122	4.6	91.8	1.66
Mean				13.44	4.20	150.06	113.8	4.40	596.92	1.762
Std Dev				1.00	0.64	2.68	5.2	0.57	425.97	0.162
SEM				0.45	0.29	1.20	2.3	0.25	190.50	0.072
89F00116	M	5	7	14.7	5.5	149.6	106	4.3	761.4	1.99
89F00128	M	5	7	12.8	3.4	152.2	115	3.2	466.9	1.91
89F00148	M	5	7	14.2	3.7	147.7	115	3.9	136.5	1.74
89F00259	M	5	7	12.2	3.8	145.8	114	3.8	1030.3	1.39
89F00261	M	5	7	11.4	4.3	146.4	115	4.7	47.0	1.76
Mean				13.06	4.14	148.34	113.0	3.98	488.42	1.758
Std Dev				1.37	0.83	2.60	3.9	0.56	414.52	0.231
SEM				0.61	0.37	1.16	1.8	0.25	185.38	0.103
89F00120	M	6	7	14.8	4.5	154.1	118	3.6	570.3	1.81
89F00143	M	6	7	12.9	4.0	149.7	110	4.4	361.2	1.70
89F00149	M	6	7	13.7	5.1	153.0	120	4.1	260.8	1.75
89F00177	M	6	7	14.0	4.0	147.6	111	4.7	257.2	1.73
89F00263	M	6	7	13.1	4.8	148.6	113	4.2	1106.6	1.57
Mean				13.70	4.48	150.60	114.4	4.20	511.22	1.712
Std Dev				0.76	0.49	2.82	4.4	0.41	356.27	0.089
SEM				0.34	0.22	1.26	2.0	0.18	159.33	0.040

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	7	12.8	4.5	147.6	114	3.9	422.7	1.63
89F00137	M	7	7	13.8	5.4	151.4	112	4.1	132.7	1.99
89F00164	M	7	7	11.7	3.1	150.4	121	4.3	103.2	1.61
89F00171	M	7	7	12.3	3.9	144.9	118	3.6	429.7	1.51
89F00264	M	7	7	12.4	5.5	146.0	115	4.2	141.9	1.57
Mean				12.60	4.48	148.06	116.0	4.02	246.04	1.662
Std Dev				0.78	1.02	2.79	3.5	0.28	165.10	0.189
SEM				0.35	0.45	1.25	1.6	0.12	73.84	0.085
89F00266	M	8	7	died						
89F00125	M	8	7	12.6	3.7	149.6	115	4.5	485.7	1.68
89F00145	M	8	7	13.2	3.8	152.8	115	4.3	414.7	1.71
89F00158	M	8	7	12.9	4.0	147.7	116	5.0	NT	1.57
89F00165	M	8	7	9.1	12.8*	148.4	115	3.9	158.7	1.46
Mean				11.95	3.83	149.63	115.3	4.43	353.03	1.605
Std Dev				1.92	0.15	2.26	0.5	0.46	172.00	0.114
SEM				0.96	0.09	1.13	0.3	0.23	99.30	0.057
89F00121	M	9	7	11.6	4.7	149.2	116	3.8	277.7	1.64
89F00139	M	9	7	12.3	4.4	150.9	116	3.9	202.4	1.48
89F00151	M	9	7	10.2	3.9	144.2	115	3.1	108.4	1.09
89F00156	M	9	7	10.7	4.6	145.0	116	3.7	8.1*	1.47
89F00267	M	9	7	10.3	3.3	139.4	108	3.3	522.3	1.22
Mean				11.02	4.18	145.74	114.2	3.56	277.70	1.380
Std Dev				0.90	0.58	4.52	3.5	0.34	177.16	0.221
SEM				0.40	0.26	2.02	1.6	0.15	88.58	0.099

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00124	M	10	14	35.6	16.9	42.0	166.2	4.1	926.3	0.0	28.5
89F00136	M	10	14	48.3	24.6	26.3	196.7	2.7	1873.7	0.0	132.2
89F00142	M	10	14	36.0	13.3	73.2	62.0	3.7	895.8	0.0	18.9
89F00168	M	10	14	48.7	62.9	72.0	176.9	5.8	3944.2	0.0	29.7
89F00175	M	10	14	37.4	17.8	56.9	183.5	4.8	1355.7	0.0	81.2
Mean				41.20	27.10	54.08	157.06	4.22	1799.2	0.00	58.10
Std Dev				6.70	20.43	20.08	54.28	1.16	1263.1	0.00	48.07
SEM				3.00	9.13	8.98	24.27	0.52	564.9	0.00	21.50

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00126	M	1	14	23.7	28.9	56.1	129.3	4.8	899.0	0.0	15.7
89F00130	M	1	14	24.7	27.7	48.5	111.6	3.2	1034.3	0.0	26.7
89F00140	M	1	14	110.1	102.7	71.3	45.9	2.5	487.7	0.0	9.1
89F00155	M	1	14	17.3	32.6	48.8	34.4	4.8	518.4	0.0	19.4
89F00166	M	1	14	36.2	31.9	22.2	137.9	3.0	915.5	0.0	59.0
Mean				42.40	44.76	49.38	91.82	3.66	771.0	0.00	25.98
Std Dev				38.45	32.45	17.79	48.28	1.07	250.3	0.00	19.52
SEM				17.20	14.51	7.95	21.59	0.48	112.0	0.00	8.73
89F00118	M	2	14	20.8	31.3	59.1	179.3	7.3	1308.6	0.0	54.3
89F00132	M	2	14	24.5	24.6	67.8	33.2	2.5	399.8	0.0	22.3
89F00141	M	2	14	29.6	45.7	43.5	199.4	NT	1026.0	0.0	58.9
89F00176	M	2	14	40.4	45.5	118.3	79.5	3.2	832.3	0.0	11.7
89F00257	M	2	14	31.6	53.8	68.5	35.3	4.0	1216.2	0.0	22.1
Mean				29.38	40.18	71.44	105.34	4.25	956.6	0.00	33.86
Std Dev				7.48	11.89	28.07	79.21	2.12	361.1	0.00	21.26
SEM				3.35	5.32	12.55	35.42	1.06	161.5	0.00	9.51
89F00129	M	3	14	34.5	41.6	37.4	26.7	5.7	340.2	0.0	30.3
89F00147	M	3	14	61.2	48.5	44.3	44.4	4.2	272.2	0.0	36.9
89F00154	M	3	14	died							
89F00172	M	3	14	76.2	58.6	24.8	91.4	6.0	662.1	0.0	50.3
89F00173	M	3	14	17.4	19.3	30.9	76.4	6.4	424.0	0.0	54.1
Mean				47.33	42.00	34.35	59.73	5.58	424.6	0.00	42.90
Std Dev				26.37	16.67	8.39	29.48	0.96	170.1	0.00	11.18
SEM				13.19	8.33	4.20	14.74	0.48	85.0	0.00	5.59

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00127	M	4	14	32.5	18.5	37.1	150.2	5.3	548.5	0.0	47.5
89F00131	M	4	14	29.4	13.3	45.1	163.7	5.8	769.5	0.0	67.6
89F00157	M	4	14	81.1	32.8	45.2	207.1	7.3	2559.9	0.0	91.7
89F00169	M	4	14	43.3	19.1	19.2	121.2	4.7	1263.0	0.0	28.4
89F00258	M	4	14	57.0	33.1	16.3	157.4	7.1	777.4	0.0	129.6
Mean				48.66	23.36	32.58	159.92	6.04	1183.7	0.00	72.96
Std Dev				21.11	9.04	13.97	30.99	1.13	812.5	0.00	39.44
SEM				9.44	4.04	6.25	13.86	0.51	363.3	0.00	17.64
89F00116	M	5	14	30.3	11.0	70.6	103.4	4.4	813.4	0.0	34.6
89F00128	M	5	14	35.4	16.0	56.2	98.1	7.4	713.0	0.0	27.2
89F00148	M	5	14	30.4	51.7	22.0	460.5	0.6	1187.9	0.0	30.0
89F00259	M	5	14	13.8	22.9	22.2	448.5	2.6	2219.7	0.0	62.4
89F00261	M	5	14	11.1	20.9	28.7	447.7	2.9	2212.1	0.0	94.8
Mean				24.20	24.50	39.94	311.64	3.58	1429.2	0.00	49.80
Std Dev				10.96	15.89	22.18	192.59	2.53	739.6	0.00	28.80
SEM				4.90	7.11	9.92	86.13	1.13	330.8	0.00	12.88
89F00120	M	6	14	32.1	13.3	45.8	153.6	5.3	1496.0	0.0	28.9
89F00143	M	6	14	42.5	15.2	36.2	186.2	0.6	1174.1	0.0	34.2
89F00149	M	6	14	39.3	27.1	34.3	179.4	6.7	1667.2	0.0	59.0
89F00177	M	6	14	74.9	22.1	14.2	179.5	4.9	1418.9	0.0	25.9
89F00263	M	6	14	15.1	27.3	141.8	553.9	11.0	2510.2	0.0	80.0
Mean				40.78	21.00	54.46	250.52	5.70	1653.2	0.00	45.60
Std Dev				21.82	6.54	50.16	170.05	3.74	510.8	0.00	23.24
SEM				9.76	2.92	22.43	76.05	1.67	228.5	0.00	10.39

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00115	M	7	14	41.2	47.3	47.9	103.2	5.4	756.5	0.0	19.4
89F00137	M	7	14	18.8	31.7	99.7	34.4	3.9	482.2	0.0	13.4
89F00164	M	7	14	27.3	52.2	32.7	284.8	3.1	1733.7	0.0	45.3
89F00171	M	7	14	19.9	32.0	59.6	34.1	3.3	485.9	0.0	20.3
89F00264	M	7	14	14.2	26.4	71.9	433.2	4.1	1661.9	0.0	25.1
Mean				24.28	37.92	62.36	177.94	3.96	1024.0	0.00	24.70
Std Dev				10.56	11.16	25.41	175.68	0.90	625.6	0.00	12.24
SEM				4.72	4.99	11.36	78.57	0.40	279.8	0.00	5.48
89F00125	M	8	14	29.9	39.0	37.7	141.1	7.0	954.4	0.0	21.0
89F00145	M	8	14	18.2	34.7	71.0	33.9	NT	397.4	0.0	13.2
89F00158	M	8	14	died							
89F00165	M	8	14	18.4	34.3	32.1	72.8	5.5	1079.3	0.0	42.3
89F00266	M	8	14	died							
Mean				22.17	36.00	46.93	82.60	6.25	810.4	0.00	25.50
Std Dev				6.70	2.61	21.03	54.27	1.06	363.1	0.00	15.06
SEM				3.87	1.50	12.14	31.33	0.75	209.6	0.00	8.70
89F00121	M	9	14	25.1	44.3	47.4	124.6	3.9	835.6	0.0	8.6
89F00139	M	9	14	19.4	33.5	85.4	92.7	0.7	478.6	0.0	5.9
89F00151	M	9	14	79.2	75.3	49.8	301.3	7.0	1299.6	0.0	76.7
89F00156	M	9	14	14.5	35.5	66.9	98.1	3.7	530.0	0.0	18.0
89F00267	M	9	14	18.9	60.6	34.1	45.6	4.5	450.2	0.0	58.1
Mean				31.42	49.84	56.72	132.46	3.96	718.8	0.00	33.46
Std Dev				26.97	17.80	19.83	98.58	2.25	359.3	0.00	31.99
SEM				12.06	7.96	8.87	44.09	1.01	160.7	0.00	14.31

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00124	M	10	14	47	0.0	5.8	3.5	1.6	109.7	12.9	0.9
89F00136	M	10	14	225	0.0	6.2	3.3	1.1	146.9	13.3	1.0
89F00142	M	10	14	27	0.0	5.8	4.2	2.6	89.5	17.9	1.2
89F00168	M	10	14	42	0.0	6.1	4.0	1.9	122.6	16.4	1.0
89F00175	M	10	14	108	0.0	6.0	3.8	1.7	139.1	16.2	0.9
Mean				89.8	0.00	5.98	3.76	1.78	121.56	15.34	1.00
Std Dev				81.7	0.00	0.18	0.36	0.54	23.02	2.15	0.12
SEM				36.5	0.00	0.08	0.16	0.24	10.29	0.96	0.05

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00126	M	1	14	81	0.0	6.1	3.3	1.2	112.5	16.4	0.9
89F00130	M	1	14	40	0.0	5.9	2.9	1.0	137.3	13.9	1.0
89F00140	M	1	14	29	0.0	6.3	2.6	0.7	104.8	12.7	1.0
89F00155	M	1	14	33	0.0	6.9	3.5	1.0	116.8	9.3	0.9
89F00166	M	1	14	139	0.0	6.1	3.1	1.0	132.7	12.0	0.7
Mean				64.4	0.00	6.26	3.08	0.98	120.82	12.86	0.90
Std Dev				46.6	0.00	0.38	0.35	0.18	13.74	2.60	0.12
SEM				20.8	0.00	0.17	0.16	0.08	6.14	1.16	0.05
89F00118	M	2	14	53	0.0	6.2	2.6	0.7	119.6	19.2	1.0
89F00132	M	2	14	24	0.0	6.8	3.2	0.9	100.8	14.8	1.1
89F00141	M	2	14	92	0.0	7.8	3.3	0.8	115.8	13.8	1.0
89F00176	M	2	14	42	0.0	7.2	3.1	0.8	128.2	20.7	0.9
89F00257	M	2	14	68	0.0	6.6	3.2	0.9	100.9	17.3	1.7
Mean				55.8	0.00	6.92	3.08	0.82	113.06	17.16	1.14
Std Dev				25.8	0.00	0.61	0.28	0.08	12.02	2.90	0.32
SEM				11.6	0.00	0.27	0.12	0.04	5.37	1.30	0.14
89F00129	M	3	14	49	0.0	7.3	2.5	0.5	130.0	16.3	1.0
89F00147	M	3	14	24	0.0	7.9	3.1	0.6	136.9	16.5	1.0
89F00154	M	3	14	died							
89F00172	M	3	14	53	0.0	7.6	2.9	0.6	131.9	18.5	1.4
89F00173	M	3	14	111	0.0	7.2	2.9	0.7	150.4	12.1	0.8
Mean				59.3	0.00	7.50	2.85	0.60	137.30	15.85	1.05
Std Dev				36.8	0.00	0.32	0.25	0.08	9.21	2.69	0.25
SEM				18.4	0.00	0.16	0.13	0.04	4.60	1.35	0.13

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00127	M	4	14	49	0.0	5.1	3.3	1.9	89.9	16.2	1.0
89F00131	M	4	14	34	0.0	5.5	3.8	2.3	107.1	15.1	1.1
89F00157	M	4	14	194	0.1	5.5	2.9	1.2	123.8	11.0	0.9
89F00169	M	4	14	104	0.0	5.8	3.4	1.4	162.9	17.0	1.3
89F00258	M	4	14	393	0.3	6.0	3.5	1.4	117.3	20.0	1.6
Mean				154.8	0.08	5.58	3.38	1.64	120.20	15.86	1.18
Std Dev				147.2	0.13	0.34	0.33	0.45	27.08	3.27	0.28
SEM				65.8	0.06	0.15	0.15	0.20	12.11	1.46	0.12
89F00116	M	5	14	64	0.0	6.1	4.1	2.1	116.5	16.9	1.1
89F00128	M	5	14	106	0.0	5.1	3.6	2.4	114.8	15.4	1.0
89F00148	M	5	14	101	0.0	5.9	4.3	2.7	112.2	12.6	0.9
89F00259	M	5	14	66	0.2	6.3	4.0	1.8	90.6	16.3	1.0
89F00261	M	5	14	94	0.1	5.8	3.7	1.8	103.1	12.8	0.8
Mean				86.2	0.06	5.84	3.94	2.16	107.44	14.80	0.96
Std Dev				19.8	0.09	0.46	0.29	0.39	10.74	1.99	0.11
SEM				8.9	0.04	0.20	0.13	0.17	4.80	0.89	0.05
89F00120	M	6	14	84	0.0	5.4	3.9	2.5	130.5	17.6	1.1
89F00143	M	6	14	39	0.0	6.3	4.7	3.0	116.6	13.5	1.2
89F00149	M	6	14	108	0.0	6.4	3.8	1.5	127.9	12.4	0.9
89F00177	M	6	14	70	0.0	6.7	3.5	1.1	157.7	15.3	0.8
89F00263	M	6	14	101	0.0	4.9	2.8	1.3	87.2	15.4	1.0
Mean				80.4	0.00	5.94	3.74	1.88	123.98	14.84	1.00
Std Dev				27.5	0.00	0.76	0.69	0.83	25.51	1.99	0.16
SEM				12.3	0.00	0.34	0.31	0.37	11.41	0.89	0.07

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00115	M	7	14	66	0.0	6.6	3.1	0.9	94.2	14.4	1.1
89F00137	M	7	14	35	0.0	6.8	3.4	1.0	120.9	14.8	0.8
89F00164	M	7	14	46	0.0	6.2	3.2	1.1	150.1	19.3	1.0
89F00171	M	7	14	44	0.0	7.1	3.1	0.8	138.6	9.8	1.5
89F00264	M	7	14	46	0.1	5.7	3.3	1.4	113.8	11.9	0.9
Mean				47.4	0.02	6.48	3.22	1.04	123.52	14.04	1.06
Std Dev				11.3	0.04	0.54	0.13	0.23	21.77	3.57	0.27
SEM				5.1	0.02	0.24	0.06	0.10	9.73	1.60	0.12
89F00125	M	8	14	41	0.0	6.5	2.5	0.6	122.6	13.3	1.1
89F00145	M	8	14	23	0.0	7.3	2.9	0.7	122.0	13.2	1.1
89F00158	M	8	14	died							
89F00165	M	8	14	48	0.0	6.3	2.4	0.6	132.9	12.4	1.0
89F00266	M	8	14	died							
Mean				37.3	0.00	6.70	2.60	0.63	125.83	12.97	1.07
Std Dev				12.9	0.00	0.53	0.26	0.06	6.13	0.49	0.06
SEM				7.4	0.00	0.31	0.15	0.03	3.54	0.28	0.03
89F00121	M	9	14	25	0.0	7.8	3.1	0.6	108.7	15.6	1.0
89F00139	M	9	14	25	0.0	8.5	3.5	0.7	143.8	19.5	0.9
89F00151	M	9	14	114	0.1	7.6	2.4	0.5	130.4	20.9	1.4
89F00156	M	9	14	28	0.0	7.7	2.7	0.5	135.4	14.1	1.0
89F00267	M	9	14	69	0.0	7.4	2.5	0.5	90.9	9.5	1.0
Mean				52.2	0.02	7.80	2.84	0.56	121.84	15.92	1.06
Std Dev				39.3	0.04	0.42	0.46	0.09	21.62	4.53	0.19
SEM				17.6	0.02	0.19	0.20	0.04	9.67	2.03	0.09

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00124	M	10	14	13.8	4.5	150.3	115	3.7	182.4	1.59
89F00136	M	10	14	14.0	2.9	151.2	120	4.7	47.2	1.27
89F00142	M	10	14	13.3	4.4	152.4	112	4.3	144.0	1.82
89F00168	M	10	14	14.7	5.0	154.4	117	3.1	316.5	1.67
89F00175	M	10	14	13.4	3.8	149.8	118	4.2	71.6	1.21
Mean				13.84	4.12	151.72	116.4	4.00	152.34	1.512
Std Dev				0.56	0.80	1.76	3.0	0.62	106.65	0.263
SEM				0.25	0.36	0.79	1.4	0.28	47.69	0.117

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00126	M	1	14	13.1	3.9	149.4	116	4.1	257.8	1.43
89F00130	M	1	14	11.8	3.3	146.0	115	3.9	69.0	1.33
89F00140	M	1	14	11.8	2.9	150.7	114	2.8	205.8	1.22
89F00155	M	1	14	13.5	3.6	156.7	113	3.1	180.4	1.42
89F00166	M	1	14	12.5	3.0	145.6	113	4.3	52.0	1.29
Mean				12.54	3.34	149.68	114.2	3.64	153.00	1.338
Std Dev				0.76	0.42	4.49	1.3	0.65	89.13	0.089
SEM				0.34	0.19	2.01	0.6	0.29	39.86	0.040
89F00118	M	2	14	12.5	5.3	148.8	115	4.1	162.3	1.50
89F00132	M	2	14	11.9	5.0	145.1	109	4.0	98.1	1.76
89F00141	M	2	14	14.6	3.9	146.6	114	5.4	172.1	1.42
89F00176	M	2	14	12.5	4.5	145.3	106	4.3	139.6	1.24
89F00257	M	2	14	12.0	3.4	146.0	114	4.0	560.6	1.42
Mean				12.70	4.42	146.36	111.6	4.36	226.54	1.468
Std Dev				1.10	0.78	1.49	3.9	0.59	188.91	0.189
SEM				0.49	0.35	0.67	1.7	0.27	84.48	0.085
89F00129	M	3	14	11.7	3.7	151.0	113	4.1	179.4	1.43
89F00147	M	3	14	12.3	4.1	147.1	114	3.9	362.9	1.51
89F00154	M	3	14	died						
89F00172	M	3	14	10.8	5.8	142.5	111	4.7	58.6	1.35
89F00173	M	3	14	12.3	5.7	143.4	110	4.1	88.5	1.26
Mean				11.78	4.83	146.00	112.0	4.20	172.35	1.388
Std Dev				0.71	1.08	3.88	1.8	0.35	137.03	0.107
SEM				0.35	0.54	1.94	0.9	0.17	68.51	0.054

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00127	M	4	14	12.7	4.6	138.3	103	3.8	134.9	1.66
89F00131	M	4	14	12.4	3.8	149.9	112	4.4	265.8	1.69
89F00157	M	4	14	14.2	3.9	153.7	111	3.0	106.5	1.45
89F00169	M	4	14	13.0	3.8	146.4	116	4.1	42.9	1.52
89F00258	M	4	14	12.6	5.0	151.2	115	4.0	21.5	1.72
Mean				12.98	4.22	147.90	111.4	3.86	114.32	1.608
Std Dev				0.72	0.55	5.98	5.1	0.53	96.37	0.117
SEM				0.32	0.25	2.67	2.3	0.24	43.10	0.052
89F00116	M	5	14	14.5	4.8	152.1	113	4.5	94.4	1.96
89F00128	M	5	14	13.7	3.2	145.4	111	3.7	216.6	1.80
89F00148	M	5	14	13.4	4.4	146.6	122	5.8	47.0	1.66
89F00259	M	5	14	14.6	5.7	148.5	109	4.8	97.7	1.98
89F00261	M	5	14	12.6	5.0	144.4	111	4.1	72.1	1.72
Mean				13.76	4.62	147.40	113.2	4.58	105.56	1.824
Std Dev				0.83	0.92	3.04	5.1	0.80	65.32	0.142
SEM				0.37	0.41	1.36	2.3	0.36	29.21	0.064
89F00120	M	6	14	13.9	4.6	149.9	117	4.1	208.0	1.85
89F00143	M	6	14	14.1	4.5	148.2	112	3.9	279.1	1.91
89F00149	M	6	14	14.2	4.5	150.5	119	3.9	105.2	1.73
89F00177	M	6	14	NT	2.7	141.8	104	22.7*	782.4	NT
89F00263	M	6	14	12.3	4.9	146.4	110	3.9	65.5	1.50
Mean				13.63	4.24	147.36	112.4	3.95	288.04	1.748
Std Dev				0.89	0.88	3.49	5.9	0.10	288.89	0.181
SEM				0.45	0.39	1.56	2.7	0.05	129.20	0.091

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00115	M	7	14	12.6	4.4	149.6	115	4.1	31.5	1.76
89F00137	M	7	14	11.8	4.7	149.8	111	3.8	328.9	1.72
89F00164	M	7	14	10.1	6.3	147.8	113	3.9	47.1	1.29
89F00171	M	7	14	11.6	3.7	146.3	105	3.2	525.1	1.13
89F00264	M	7	14	12.8	4.5	146.0	111	3.9	71.7	1.51
Mean				11.78	4.72	147.90	111.0	3.78	200.86	1.482
Std Dev				1.07	0.96	1.78	3.7	0.34	218.25	0.272
SEM				0.48	0.43	0.80	1.7	0.15	97.60	0.122
89F00125	M	8	14	11.0	4.1	145.4	113	4.1	31.4	1.41
89F00145	M	8	14	13.3	3.4	148.8	109	4.6	122.3	1.70
89F00158	M	8	14	died						
89F00165	M	8	14	10.2	3.2	144.6	117	3.4	64.9	1.17
89F00266	M	8	14	died						
Mean				11.50	3.57	146.27	113.0	4.03	72.87	1.427
Std Dev				1.61	0.47	2.23	4.0	0.60	45.97	0.265
SEM				0.93	0.27	1.29	2.3	0.35	26.54	0.153
89F00121	M	9	14	11.4	3.8	146.4	116	3.7	98.6	1.45
89F00139	M	9	14	12.7	4.3	150.6	120	4.1	94.9	1.62
89F00151	M	9	14	10.9	4.5	144.4	117	3.6	126.9	1.24
89F00156	M	9	14	12.8	4.8	153.8	113	3.0	106.4	1.35
89F00267	M	9	14	10.8	2.8	148.0	113	2.7	847.4	1.10
Mean				11.72	4.04	148.64	115.8	3.42	254.84	1.352
Std Dev				0.97	0.78	3.67	2.9	0.56	331.48	0.198
SEM				0.43	0.35	1.64	1.3	0.25	148.24	0.089

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	-7	22.4	10.5	101.7	105.4	6.6	449.0	0.0	39.2
89F00351	F	10	-7	73.7	69.0	84.9	377.0	6.9	25761.0	0.0	75.3
89F00364	F	10	-7	35.1	25.8	67.9	360.1	5.1	765.2	0.0	41.8
89F00373	F	10	-7	37.6	10.3	109.3	94.6	8.3	482.7	0.0	58.1
89F00381	F	10	-7	36.0	24.5	71.5	416.4	3.8	18476.7	0.0	54.6
Mean				40.96	28.02	87.06	270.70	6.14	9186.9	0.00	53.80
Std Dev				19.28	24.07	18.19	157.21	1.73	12083.5	0.00	14.48
SEM				8.62	10.76	8.13	70.30	0.77	5403.9	0.00	6.48

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	-7	22.9	15.0	91.5	134.3	6.2	785.3	0.0	60.9
89F00339	F	1	-7	47.8	14.1	186.9	85.6	5.9	553.9	0.0	100.7
89F00352	F	1	-7	49.0	68.7	66.2	418.2	4.6	28470.2	0.0	71.4
89F00369	F	1	-7	39.6	36.5	101.1	90.6	7.2	422.4	0.0	64.2
89F00377	F	1	-7	44.5	32.8	144.8	291.6	6.2	14640.2	0.0	65.8
Mean				40.76	33.42	118.10	204.06	6.02	8974.4	0.00	72.60
Std Dev				10.63	22.18	47.79	146.02	0.93	12482.9	0.00	16.16
SEM				4.75	9.92	21.37	65.30	0.42	5582.5	0.00	7.23
89F00337	F	2	-7	45.3	19.0	316.4	251.4	4.7	682.7	0.0	140.8
89F00358	F	2	-7	32.7	20.2	57.4	308.9	7.1	531.0	0.0	91.1
89F00371	F	2	-7	18.0	12.5	80.6	67.0	8.4	285.5	0.0	76.6
89F00389	F	2	-7	18.9	18.7	79.2	319.4	4.0	1234.1	0.0	72.3
89F00391	F	2	-7	32.7	34.4	85.7	138.7	5.4	1257.3	0.0	49.3
Mean				29.52	20.96	123.86	217.08	5.92	798.1	0.00	86.02
Std Dev				11.34	8.09	108.18	110.39	1.80	432.5	0.00	34.10
SEM				5.07	3.62	48.38	49.37	0.81	193.4	0.00	15.25
89F00348	F	3	-7	32.0	14.9	98.4	180.7	7.1	985.7	0.0	86.5
89F00355	F	3	-7	37.3	24.2	1.8	160.6	5.8	13062.6	0.0	88.9
89F00368	F	3	-7	36.0	10.4	88.8	65.1	5.8	300.7	0.0	54.3
89F00370	F	3	-7	77.5	16.6	34.7	99.5	6.8	503.1	0.0	61.9
89F00393	F	3	-7	46.4	29.4	110.4	495.0	8.4	26009.7	0.0	89.3
Mean				45.84	19.10	66.82	200.18	6.78	8172.4	0.00	76.18
Std Dev				18.47	7.61	46.47	171.21	1.08	11341.4	0.00	16.76
SEM				8.26	3.40	20.78	76.57	0.48	5072.0	0.00	7.49

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00345	F	4	-7	38.8	17.3	115.8	157.5	6.5	721.0	0.0	67.3
89F00354	F	4	-7	37.9	41.0	91.5	539.5	4.3	27537.1	0.0	68.2
89F00374	F	4	-7	88.8	34.7	148.8	128.0	12.2	798.1	0.0	85.2
89F00380	F	4	-7	63.6	71.3	229.3	471.2	3.4	24238.5	0.0	69.8
89F00387	F	4	-7	66.5	81.7	79.3	438.4	4.3	29813.1	0.0	70.1
Mean				59.12	49.20	132.94	346.92	6.14	16621.6	0.00	72.12
Std Dev				21.32	26.64	60.05	190.20	3.58	14615.0	0.00	7.40
SEM				9.54	11.92	26.86	85.06	1.60	6536.0	0.00	3.31
89F00341	F	5	-7	25.0	18.4	111.0	145.0	3.3	595.9	0.0	87.3
89F00347	F	5	-7	39.8	14.2	67.8	101.4	7.0	358.2	0.0	85.0
89F00360	F	5	-7	20.8	19.8	144.5	317.1	2.6	749.9	0.0	32.4
89F00375	F	5	-7	42.5	13.0	113.0	52.3	11.1	1629.3	0.0	60.9
89F00394	F	5	-7	NT	NT	NT	NT	NT	NT	NT	NT
Mean				32.03	16.35	109.08	153.95	6.00	833.3	0.00	66.40
Std Dev				10.73	3.26	31.50	115.17	3.91	554.6	0.00	25.62
SEM				5.37	1.63	15.75	57.58	1.95	277.29	0.00	12.81
89F00343	F	6	-7	32.1	15.9	105.3	137.2	4.9	997.4	0.0	80.2
89F00357	F	6	-7	54.3	55.7	187.1	269.1	7.3	16397.9	0.0	52.1
89F00362	F	6	-7	72.8	35.4	119.9	195.2	6.9	909.8	0.0	60.4
89F00363	F	6	-7	39.7	19.6	107.9	208.9	6.4	788.0	0.0	34.9
89F00379	F	6	-7	34.5	29.7	68.2	393.5	4.3	7824.5	0.0	55.0
Mean				46.68	31.26	117.68	240.78	5.96	5383.5	0.00	56.52
Std Dev				16.96	15.72	43.36	97.40	1.30	6849.2	0.00	16.32
SEM				7.58	7.03	19.39	43.56	0.58	3063.1	0.00	7.30

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	-7	46.6	24.2	107.6	153.6	5.4	1080.1	0.0	50.9
89F00353	F	7	-7	32.2	50.7	86.8	408.3	5.5	19399.1	0.0	76.6
89F00366	F	7	-7	27.2	7.9	86.9	58.7	7.7	384.4	0.0	92.1
89F00372	F	7	-7	47.5	22.9	90.8	104.5	12.6	538.7	0.0	50.7
89F00390	F	7	-7	17.4	17.2	80.8	181.9	4.9	731.6	0.0	33.2
Mean				34.18	24.58	90.58	181.40	7.22	4426.8	0.00	60.70
Std Dev				12.90	15.95	10.16	135.30	3.19	8373.8	0.00	23.40
SEM				5.77	7.13	4.55	60.51	1.43	3744.9	0.00	10.47
89F00346	F	8	-7	49.9	19.8	96.1	138.8	5.4	1003.1	0.0	48.9
89F00359	F	8	-7	45.7	28.8	176.0	121.5	9.5	719.6	0.0	34.5
89F00365	F	8	-7	38.5	18.5	155.0	83.9	6.7	1012.8	0.0	56.3
89F00392	F	8	-7	31.3	22.8	146.4	254.5	5.0	3040.1	0.0	62.0
89F00393	F	8	-7	NT	NT	NT	NT	NT	NT	NT	NT
Mean				41.35	22.48	143.38	149.68	6.65	1443.9	0.00	50.43
Std Dev				8.19	4.59	33.88	73.55	2.03	1072.8	0.00	11.89
SEM				4.09	2.29	16.94	36.77	1.02	536.4	0.00	5.95
89F00340	F	9	-7	24.1	18.9	91.3	172.1	4.3	652.2	0.0	51.5
89F00349	F	9	-7	33.4	15.3	76.6	89.0	6.6	331.4	0.0	87.3
89F00356	F	9	-7	43.6	62.3	73.0	420.5	5.7	14355.4	0.0	54.8
89F00367	F	9	-7	26.7	14.8	90.0	162.3	6.6	624.8	0.0	42.3
89F00384	F	9	-7	39.6	32.9	45.3	386.3	6.4	17977.5	0.0	52.7
Mean				33.48	28.84	75.24	246.04	5.92	6788.3	0.00	57.72
Std Dev				8.27	20.10	18.57	147.69	0.98	8657.2	0.00	17.21
SEM				3.70	8.99	8.30	66.05	0.44	3871.6	0.00	7.70

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	-7	49	0.0	6.1	4.2	2.1	111.1	22.3	1.2
89F00351	F	10	-7	40	0.0	5.9	4.3	2.7	115.5	25.2	1.0
89F00364	F	10	-7	32	0.1	6.4	4.7	2.8	108.9	21.8	1.0
89F00373	F	10	-7	66	0.1	5.9	4.3	2.8	120.6	23.9	1.1
89F00381	F	10	-7	65	0.1	6.0	4.6	3.3	118.5	18.7	1.2
Mean				50.4	0.06	6.06	4.42	2.74	114.92	22.38	1.10
Std Dev				15.0	0.05	0.21	0.22	0.43	4.91	2.46	0.10
SEM				6.7	0.02	0.09	0.10	0.19	2.19	1.10	0.04

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	-7	45	0.0	6.1	4.6	3.0	132.5	17.3	0.9
89F00339	F	1	-7	111	0.1	6.7	4.7	2.3	137.7	20.1	1.2
89F00352	F	1	-7	32	0.0	6.0	4.4	2.8	137.2	20.8	1.0
89F00369	F	1	-7	40	0.2	5.6	4.3	3.2	112.6	25.9	1.1
89F00377	F	1	-7	49	0.1	5.6	3.9	2.2	107.1	16.9	0.9
Mean				55.4	0.08	6.00	4.38	2.70	125.42	20.20	1.02
Std Dev				31.7	0.08	0.45	0.31	0.44	14.49	3.61	0.13
SEM				14.2	0.04	0.20	0.14	0.19	6.48	1.61	0.06
89F00337	F	2	-7	112	0.0	6.8	5.2	3.3	119.3	27.1	1.0
89F00358	F	2	-7	96	0.0	6.6	4.5	2.1	129.0	23.5	1.2
89F00371	F	2	-7	29	0.1	6.9	4.7	2.1	126.4	22.2	1.2
89F00389	F	2	-7	58	0.1	6.3	4.8	3.1	120.3	22.1	1.0
89F00391	F	2	-7	53	0.2	5.8	4.0	2.2	177.0	20.8	1.0
Mean				69.6	0.08	6.48	4.64	2.56	134.40	23.14	1.08
Std Dev				33.7	0.08	0.44	0.44	0.59	24.16	2.41	0.11
SEM				15.1	0.04	0.20	0.20	0.26	10.80	1.08	0.05
89F00348	F	3	-7	48	0.1	5.9	4.3	2.6	122.7	21.9	1.1
89F00355	F	3	-7	84	0.0	6.4	4.4	2.2	120.9	20.6	0.8
89F00368	F	3	-7	147	0.0	6.8	5.2	3.3	132.8	23.8	1.4
89F00370	F	3	-7	28	0.0	5.9	4.3	2.6	129.3	19.7	0.9
89F00383	F	3	-7	39	0.1	5.9	4.6	3.4	105.8	15.6	0.9
Mean				69.2	0.04	6.18	4.56	2.82	122.30	20.32	1.02
Std Dev				48.3	0.05	0.41	0.38	0.51	10.41	3.06	0.24
SEM				21.6	0.02	0.18	0.17	0.23	4.66	1.37	0.11

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	-7	36	0.0	6.6	4.6	2.3	118.0	19.3	1.0
89F00354	F	4	-7	54	0.1	6.0	5.0	5.0	136.8	17.6	0.7
89F00374	F	4	-7	48	0.0	6.7	4.7	2.3	129.9	22.2	1.7
89F00380	F	4	-7	64	0.0	5.8	4.5	3.4	108.1	19.6	1.2
89F00387	F	4	-7	53	0.0	6.6	4.6	2.2	134.6	25.9	1.5
Mean				51.0	0.02	6.34	4.68	3.04	125.48	20.92	1.22
Std Dev				10.2	0.04	0.41	0.19	1.20	12.13	3.23	0.40
SEM				4.6	0.02	0.18	0.09	0.54	5.43	1.45	0.18
89F00341	F	5	-7	96	0.0	6.3	4.8	3.2	118.7	22.3	1.0
89F00347	F	5	-7	47	0.2	6.4	4.6	2.5	115.7	16.6	1.3
89F00360	F	5	-7	42	0.0	6.0	4.8	4.1	114.3	18.6	0.7
89F00375	F	5	-7	70	0.0	5.3	3.9	2.8	135.0	18.9	1.1
89F00394	F	5	-7	NT	NT	NT	NT	NT	NT	NT	NT
Mean				63.8	0.05	6.00	4.53	3.15	120.93	19.10	1.03
Std Dev				24.7	0.10	0.50	0.43	0.70	9.56	2.37	0.25
SEM				12.4	0.05	0.25	0.21	0.35	4.78	1.18	0.13
89F00343	F	6	-7	70	0.0	6.2	4.3	2.2	120.1	19.9	0.9
89F00357	F	6	-7	51	0.0	5.9	4.6	3.6	131.2	14.7	0.9
89F00362	F	6	-7	59	0.2	6.2	4.9	3.8	117.0	21.0	1.2
89F00363	F	6	-7	102	0.1	6.4	5.0	3.6	108.1	19.7	0.9
89F00379	F	6	-7	43	0.0	6.0	4.6	3.2	89.5	18.5	1.0
Mean				65.0	0.06	6.14	4.68	3.28	113.18	18.76	0.98
Std Dev				23.0	0.09	0.19	0.28	0.64	15.60	2.44	0.13
SEM				10.3	0.04	0.09	0.12	0.29	6.98	1.09	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	-7	49	0.1	6.6	5.0	3.2	117.6	19.3	1.1
89F00353	F	7	-7	61	0.1	6.3	4.3	2.2	125.1	26.1	1.1
89F00366	F	7	-7	15	0.1	6.3	4.6	2.7	133.8	20.2	1.2
89F00372	F	7	-7	64	0.0	6.0	4.6	3.4	130.6	18.0	0.9
89F00390	F	7	-7	53	0.1	6.0	4.9	4.5	130.1	19.5	1.0
Mean				48.4	0.08	6.24	4.68	3.20	127.44	20.62	1.06
Std Dev				19.6	0.04	0.25	0.28	0.86	6.32	3.16	0.11
SEM				8.8	0.02	0.11	0.12	0.39	2.83	1.42	0.05
89F00346	F	8	-7	31	0.2	6.4	4.4	2.2	109.4	23.3	1.1
89F00359	F	8	-7	81	0.0	6.2	4.7	3.1	127.6	18.6	1.2
89F00365	F	8	-7	28	0.1	6.3	4.1	1.9	120.9	18.1	1.0
89F00392	F	8	-7	45	0.1	5.9	4.6	3.8	110.7	27.1	1.0
89F00393	F	8	-7	NT	NT	NT	NT	NT	NT	NT	NT
Mean				46.3	0.10	6.20	4.45	2.75	117.15	21.78	1.08
Std Dev				24.3	0.08	0.22	0.26	0.87	8.66	4.25	0.10
SEM				12.2	0.04	0.11	0.13	0.43	4.33	2.13	0.05
89F00340	F	9	-7	39	0.1	6.1	4.6	3.1	142.0	25.8	1.4
89F00349	F	9	-7	59	0.1	5.9	4.1	2.3	117.5	20.9	1.0
89F00356	F	9	-7	42	0.0	6.1	4.8	3.6	107.2	17.6	0.9
89F00367	F	9	-7	35	0.1	6.3	4.6	2.7	118.1	24.0	1.1
89F00384	F	9	-7	57	0.1	6.0	4.5	3.0	115.3	18.4	1.1
Mean				46.4	0.08	6.08	4.52	2.94	120.02	21.34	1.10
Std Dev				10.9	0.04	0.15	0.26	0.48	13.04	3.53	0.19
SEM				4.9	0.02	0.07	0.12	0.22	5.83	1.58	0.08

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	-7	13.6	4.5	143.0	110	4.6	169.0	1.99
89F00351	F	10	-7	12.8	4.0	146.6	114	3.9	117.7	1.83
89F00364	F	10	-7	15.1	4.4	146.8	120	5.3	225.1	2.16
89F00373	F	10	-7	16.0	3.9	146.7	117	4.4	158.7	1.79
89F00381	F	10	-7	14.6	3.1	146.5	112	4.1	158.9	1.98
Mean				14.42	3.98	145.92	114.6	4.46	165.88	1.950
Std Dev				1.25	0.55	1.64	4.0	0.54	38.53	0.147
SEM				0.56	0.25	0.73	1.8	0.24	17.23	0.066

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	-7	14.5	4.5	148.8	114	4.1	241.7	2.04
89F00339	F	1	-7	14.6	4.8	150.8	110	4.2	188.8	2.17
89F00352	F	1	-7	11.4	4.1	146.4	118	5.0	NT	2.40
89F00369	F	1	-7	15.6	4.7	146.0	122	4.8	181.4	1.81
89F00377	F	1	-7	13.4	3.2	147.9	113	3.8	114.2	1.67
Mean				13.90	4.26	147.98	115.4	4.38	181.53	2.018
Std Dev				1.60	0.65	1.94	4.7	0.50	52.30	0.289
SEM				0.72	0.29	0.87	2.1	0.22	26.15	0.129
89F00337	F	2	-7	13.4	5.0	146.4	104	4.3	221.8	2.13
89F00358	F	2	-7	14.7	4.6	152.9	113	4.6	225.5	2.09
89F00371	F	2	-7	16.0	3.6	148.8	121	3.8	206.9	1.75
89F00389	F	2	-7	15.5	3.8	145.9	114	4.6	157.8	2.02
89F00391	F	2	-7	13.2	3.8	144.0	118	3.5	129.4	1.67
Mean				14.56	4.16	147.60	114.0	4.16	188.28	1.932
Std Dev				1.24	0.61	3.42	6.4	0.49	42.58	0.208
SEM				0.56	0.27	1.53	2.9	0.22	19.04	0.093
89F00348	F	3	-7	13.2	5.7	142.4	109	4.6	120.4	2.03
89F00355	F	3	-7	NT	2.9	135.7	100	52.7	395.2	NT
89F00368	F	3	-7	15.9	3.8	147.1	117	4.2	127.1	1.89
89F00370	F	3	-7	14.2	4.3	146.0	118	4.4	214.4	1.86
89F00383	F	3	-7	14.8	3.1	148.1	111	4.3	163.1	1.80
Mean				14.53	3.96	143.86	111.0	14.04	204.04	1.895
Std Dev				1.13	1.12	5.04	7.2	21.61	113.18	0.097
SEM				0.56	0.50	2.26	3.2	9.67	50.62	0.049

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	-7	13.4	3.6	150.2	120	4.0	165.8	1.95
89F00354	F	4	-7	13.7	3.5	148.2	112	4.7	96.3	1.75
89F00374	F	4	-7	16.1	5.3	150.0	119	5.6	154.7	1.83
89F00380	F	4	-7	13.5	3.7	149.8	114	3.5	127.9	2.19
89F00387	F	4	-7	12.6	3.5	151.1	116	3.8	327.1	2.17
Mean				13.86	3.92	149.86	116.2	4.32	174.36	1.978
Std Dev				1.32	0.78	1.05	3.3	0.84	89.50	0.198
SEM				0.59	0.35	0.47	1.5	0.38	40.03	0.088
89F00341	F	5	-7	13.5	4.0	145.8	111	4.6	182.6	1.69
89F00347	F	5	-7	13.6	4.0	147.5	117	4.3	122.6	2.20
89F00360	F	5	-7	13.3	4.8	147.7	116	5.2	235.7	2.24
89F00375	F	5	-7	14.9	4.9	146.5	119	4.6	152.8	1.57
89F00394	F	5	-7	NT	NT	NT	NT	NT	NT	NT
Mean				13.83	4.43	146.88	115.8	4.68	173.43	1.925
Std Dev				0.73	0.49	0.89	3.4	0.38	48.20	0.345
SEM				0.36	0.25	0.44	1.7	0.19	24.10	0.172
89F00343	F	6	-7	14.6	4.8	144.5	108	4.7	208.1	1.85
89F00357	F	6	-7	13.3	4.1	152.0	118	4.5	76.8	2.07
89F00362	F	6	-7	14.3	4.1	148.2	119	5.1	190.6	2.07
89F00363	F	6	-7	16.1	4.6	147.1	117	4.7	193.6	1.68
89F00379	F	6	-7	14.1	3.1	148.9	115	4.3	105.0	1.78
Mean				14.48	4.14	148.14	115.4	4.66	154.82	1.890
Std Dev				1.03	0.66	2.73	4.4	0.30	59.57	0.175
SEM				0.46	0.29	1.22	2.0	0.13	26.64	0.078

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	-7	13.9	4.3	150.8	117	4.3	244.5	1.88
89F00353	F	7	-7	13.8	3.8	153.6	117	4.6	129.0	1.86
89F00366	F	7	-7	15.4	4.5	147.1	118	4.0	207.6	1.98
89F00372	F	7	-7	14.5	6.0	146.5	117	4.4	180.1	1.65
89F00390	F	7	-7	14.9	3.3	145.9	114	4.5	173.2	1.98
Mean				14.50	4.38	148.78	116.6	4.36	186.88	1.870
Std Dev				0.67	1.02	3.30	1.5	0.23	42.82	0.135
SEM				0.30	0.46	1.48	0.7	0.10	19.15	0.060
89F00346	F	8	-7	13.3	3.8	144.7	113	4.3	178.6	1.81
89F00359	F	8	-7	13.9	5.0	149.4	115	4.2	241.8	2.26
89F00365	F	8	-7	15.6	3.9	144.3	116	4.8	193.7	1.66
89F00392	F	8	-7	15.5	3.8	146.5	113	4.7	120.5	1.92
89F00393	F	8	-7	NT	NT	NT	NT	NT	NT	NT
Mean				14.58	4.13	146.23	114.3	4.50	183.65	1.913
Std Dev				1.15	0.59	2.32	1.5	0.29	49.99	0.255
SEM				0.58	0.29	1.16	0.8	0.15	24.99	0.128
89F00340	F	9	-7	13.0	3.5	147.4	115	4.9	235.4	1.76
89F00349	F	9	-7	12.6	3.7	137.8	108	4.5	144.7	1.76
89F00356	F	9	-7	10.5	3.7	147.6	114	5.1	81.6	2.33
89F00367	F	9	-7	15.0	5.6	147.2	118	4.8	178.2	1.82
89F00384	F	9	-7	14.6	2.8	147.8	112	3.9	92.4	1.83
Mean				13.14	3.86	145.56	113.4	4.64	146.46	1.900
Std Dev				1.79	1.04	4.34	3.7	0.47	63.34	0.243
SEM				0.80	0.47	1.94	1.7	0.21	28.33	0.108

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	0	28.4	16.6	82.5	201.0	4.9	1055.1	0.0	38.3
89F00351	F	10	0	35.4	10.8	84.3	36.9	6.0	261.4	0.0	45.7
89F00364	F	10	0	19.7	8.8	55.6	30.7	6.8	585.8	0.0	43.1
89F00373	F	10	0	28.2	10.4	81.1	89.6	5.2	938.1	0.0	43.7
89F00381	F	10	0	29.6	6.9	73.2	69.6	4.5	1037.3	0.0	30.0
Mean				28.26	10.70	75.34	85.56	5.48	775.5	0.00	40.16
Std Dev				5.61	3.64	11.82	68.87	0.92	344.0	0.00	6.30
SEM				2.51	1.63	5.29	30.80	0.41	153.9	0.00	2.82

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	0	31.2	13.6	50.0	130.5	3.2	627.8	0.0	42.2
89F00339	F	1	0	48.4	20.5	193.6	190.6	5.3	793.0	0.0	82.1
89F00352	F	1	0	20.7	18.2	67.6	285.1	5.5	1710.6	0.0	68.9
89F00369	F	1	0	17.9	7.8	64.5	61.3	6.3	379.2	0.0	65.0
89F00377	F	1	0	21.2	7.8	143.7	42.6	5.7	498.3	0.0	62.9
Mean				27.88	13.58	103.88	142.02	5.20	801.8	0.00	64.22
Std Dev				12.53	5.83	62.06	99.20	1.18	530.8	0.00	14.39
SEM				5.60	2.61	27.75	44.36	0.53	237.4	0.00	6.44
89F00337	F	2	0	38.6	49.3	164.5	190.3	5.0	6938.7	0.0	70.4
89F00358	F	2	0	17.6	6.2	36.6	36.8	3.1	199.7	0.0	34.2
89F00371	F	2	0	10.4	11.4	43.0	52.1	6.2	547.7	0.0	49.9
89F00389	F	2	0	23.0	11.2	52.4	79.2	4.5	6003.5	0.0	56.4
89F00391	F	2	0	22.1	6.9	74.2	38.0	6.4	791.9	0.0	39.8
Mean				22.34	17.00	74.14	79.28	5.04	2896.3	0.00	50.14
Std Dev				10.37	18.21	52.48	64.37	1.35	3286.8	0.00	14.24
SEM				4.64	8.15	23.47	28.79	0.60	1469.9	0.00	6.37
89F00348	F	3	0	35.6	8.2	88.5	64.1	5.3	905.8	0.0	58.1
89F00355	F	3	0	24.5	10.5	89.0	26.6	6.8	392.5	0.0	44.0
89F00368	F	3	0	22.3	9.3	67.2	47.0	7.5	483.0	0.0	48.6
89F00370	F	3	0	40.1	11.4	19.4	79.0	7.0	600.4	0.0	50.4
89F00383	F	3	0	29.8	7.0	73.6	43.6	6.4	591.3	0.0	59.9
Mean				30.46	9.28	67.54	52.06	6.60	594.6	0.00	52.20
Std Dev				7.45	1.76	28.52	20.10	0.83	193.7	0.00	6.66
SEM				3.33	0.79	12.76	8.99	0.37	86.6	0.00	2.98

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00345	F	4	0	29.1	9.1	92.4	60.3	5.1	754.4	0.0	39.8
89F00354	F	4	0	26.9	10.1	122.9	48.5	4.9	523.7	0.0	44.9
89F00374	F	4	0	33.4	15.1	82.0	42.7	6.4	959.0	0.0	90.3
89F00380	F	4	0	18.4	9.3	114.9	131.3	6.1	1202.3	0.0	65.9
89F00387	F	4	0	21.9	9.3	54.3	158.9	6.6	878.2	0.0	52.4
Mean				25.94	10.58	93.30	88.34	5.82	863.5	0.00	58.66
Std Dev				5.91	2.56	27.35	53.11	0.77	250.7	0.00	20.23
SEM				2.64	1.14	12.23	23.75	0.35	112.1	0.00	9.05
89F00341	F	5	0	26.2	21.7	95.4	310.1	4.2	1515.0	0.0	59.2
89F00347	F	5	0	37.4	13.8	72.0	57.5	7.0	549.7	0.0	62.7
89F00360	F	5	0	12.7	7.3	115.3	60.1	4.7	774.3	0.0	33.2
89F00375	F	5	0	39.3	56.1	87.7	109.3	4.9	6078.2	0.0	68.2
89F00394	F	5	0	25.7	13.6	89.6	49.6	1.7	3442.0	0.0	47.1
Mean				28.26	22.50	92.00	117.32	4.50	2471.8	0.00	54.08
Std Dev				10.70	19.46	15.64	110.30	1.90	2315.1	0.00	14.01
SEM				4.79	8.70	7.00	49.33	0.85	1035.3	0.00	6.26
89F00343	F	6	0	25.2	10.1	93.0	60.6	5.3	531.8	0.0	64.2
89F00357	F	6	0	24.3	11.2	118.8	59.0	4.1	1140.3	0.0	43.4
89F00362	F	6	0	29.1	11.8	80.2	57.9	2.5	557.9	0.0	23.9
89F00363	F	6	0	21.7	17.0	78.2	240.4	5.1	838.7	0.0	27.1
89F00379	F	6	0	51.9	9.1	52.9	31.7	4.1	1132.8	0.0	43.1
Mean				30.44	11.84	84.62	89.92	4.22	840.3	0.00	40.34
Std Dev				12.29	3.06	24.01	84.96	1.11	296.0	0.00	16.06
SEM				5.49	1.37	10.74	38.00	0.50	132.4	0.00	7.18

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	0	36.3	11.2	94.1	51.7	4.0	731.9	0.0	37.6
89F00353	F	7	0	18.2	8.4	101.7	37.7	5.9	390.1	0.0	43.2
89F00366	F	7	0	18.2	9.0	87.5	37.5	7.7	643.6	0.0	98.2
89F00372	F	7	0	48.2	41.8	69.4	256.2	7.9	15785.2	0.0	60.8
89F00390	F	7	0	21.7	11.8	53.4	75.1	4.0	3156.3	0.0	61.6
Mean				28.52	16.44	81.22	91.64	5.90	4141.4	0.00	60.28
Std Dev				13.30	14.25	19.61	93.26	1.90	6604.5	0.00	23.70
SEM				5.95	6.37	8.77	41.71	0.85	2953.6	0.00	10.60
89F00346	F	8	0	44.9	12.6	77.6	68.3	5.2	852.2	0.0	40.5
89F00359	F	8	0	18.4	7.6	126.5	60.9	3.2	501.5	0.0	49.0
89F00365	F	8	0	21.2	12.2	91.1	31.0	7.2	844.3	0.0	45.3
89F00392	F	8	0	38.5	13.4	83.8	72.5	8.3	2966.5	0.0	58.3
89F00393	F	8	0	18.9	6.9	81.0	75.4	3.5	2575.7	0.0	64.3
Mean				28.38	10.54	92.00	61.62	5.48	1548.1	0.00	51.48
Std Dev				12.41	3.04	19.92	17.97	2.24	1133.9	0.00	9.69
SEM				5.55	1.36	8.91	8.03	1.00	507.1	0.00	4.33
89F00340	F	9	0	36.3	52.9	60.8	195.2	4.4	965.4	0.0	45.3
89F00349	F	9	0	43.1	14.8	48.7	54.4	5.9	1310.4	0.0	64.2
89F00356	F	9	0	13.1	9.6	52.8	73.9	5.6	637.1	0.0	28.3
89F00367	F	9	0	15.3	10.2	71.8	85.8	6.7	363.1	0.0	39.9
89F00384	F	9	0	25.7	8.9	44.5	39.0	5.4	479.5	0.0	40.7
Mean				26.70	19.28	55.72	89.66	5.60	751.1	0.00	43.28
Std Dev				13.01	18.94	10.82	61.67	0.83	386.0	0.00	13.04
SEM				5.82	8.47	4.84	27.58	0.37	172.6	0.00	5.83

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	0	46	0.0	6.6	4.7	2.6	116.8	22.4	1.3
89F00351	F	10	0	53	0.0	5.9	4.4	3.0	111.2	19.7	1.1
89F00364	F	10	0	30	0.1	6.3	4.3	2.1	120.8	16.8	1.1
89F00373	F	10	0	102	0.0	6.3	4.3	2.2	117.4	14.8	1.3
89F00381	F	10	0	38	0.1	6.0	4.8	4.3	105.3	16.5	1.4
Mean				53.8	0.04	6.22	4.50	2.84	114.30	18.04	1.24
Std Dev				28.3	0.05	0.28	0.23	0.89	6.10	3.01	0.13
SEM				12.7	0.02	0.12	0.10	0.40	2.73	1.34	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	0	22	0.0	5.5	3.4	1.6	108.8	14.9	0.7
89F00339	F	1	0	79	0.1	6.6	4.4	2.0	134.7	16.3	1.3
89F00352	F	1	0	63	0.1	5.9	4.5	3.2	113.1	18.0	1.1
89F00369	F	1	0	54	0.0	5.9	3.8	1.9	136.5	19.2	1.0
89F00377	F	1	0	22	0.1	5.5	3.6	1.9	95.0	16.4	1.1
Mean				48.0	0.06	5.88	3.94	2.12	117.62	16.96	1.04
Std Dev				25.4	0.05	0.45	0.49	0.62	17.73	1.67	0.22
SEM				11.3	0.02	0.20	0.22	0.28	7.93	0.74	0.10
89F00337	F	2	0	35	0.1	6.6	4.8	2.7	124.3	18.8	0.8
89F00358	F	2	0	50	0.1	6.3	4.7	2.9	106.3	18.5	1.0
89F00371	F	2	0	42	0.1	6.3	4.0	1.7	125.0	15.7	1.2
89F00389	F	2	0	61	0.0	6.4	4.9	3.1	130.3	17.8	0.9
89F00391	F	2	0	49	0.0	6.1	4.6	2.9	114.4	18.0	0.9
Mean				47.4	0.06	6.34	4.60	2.66	120.06	17.76	0.96
Std Dev				9.7	0.05	0.18	0.35	0.55	9.60	1.22	0.15
SEM				4.3	0.02	0.08	0.16	0.25	4.29	0.54	0.07
89F00348	F	3	0	62	0.1	6.2	4.5	2.7	133.1	18.0	0.9
89F00355	F	3	0	96	0.2	6.4	4.7	2.8	122.0	18.9	0.9
89F00368	F	3	0	124	0.0	6.1	4.8	3.5	125.2	17.7	1.3
89F00370	F	3	0	78	0.1	6.0	4.2	2.3	118.2	16.0	0.9
89F00383	F	3	0	72	0.1	5.8	4.0	2.1	18.9	4.3	0.1
Mean				86.4	0.10	6.10	4.44	2.68	103.48	14.98	0.82
Std Dev				24.4	0.07	0.22	0.34	0.54	47.60	6.06	0.44
SEM				10.9	0.03	0.10	0.15	0.24	21.29	2.71	0.20

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	0	68	0.0	6.8	4.7	2.2	124.1	17.1	1.1
89F00354	F	4	0	128	0.1	6.3	4.9	3.4	140.8	15.4	0.9
89F00374	F	4	0	300	0.1	6.9	4.4	1.8	128.6	15.8	3.1
89F00380	F	4	0	86	0.1	6.1	4.9	3.9	123.9	20.4	1.3
89F00387	F	4	0	144	0.1	4.9	3.3	2.0	90.4	18.0	1.3
Mean				145.2	0.08	6.20	4.44	2.66	121.56	17.34	1.54
Std Dev				91.8	0.04	0.80	0.67	0.93	18.73	2.00	0.89
SEM				41.1	0.02	0.36	0.30	0.42	8.37	0.89	0.40
89F00341	F	5	0	111	1.9	5.7	4.1	2.7	406.8	22.9	1.2
89F00347	F	5	0	56	0.0	6.8	4.5	1.9	131.9	16.7	1.1
89F00360	F	5	0	65	0.0	5.9	4.4	2.8	134.2	14.6	0.8
89F00375	F	5	0	52	0.1	6.0	4.2	2.4	136.8	17.3	1.1
89F00394	F	5	0	148	0.0	6.3	4.5	2.4	120.1	17.8	1.3
Mean				86.4	0.40	6.14	4.34	2.44	185.96	17.86	1.10
Std Dev				41.7	0.84	0.43	0.18	0.35	123.62	3.07	0.19
SEM				18.7	0.38	0.19	0.08	0.16	55.28	1.37	0.08
89F00343	F	6	0	70	0.0	6.6	4.5	2.2	136.4	18.6	0.9
89F00357	F	6	0	43	0.1	5.9	4.4	3.0	104.8	19.2	0.9
89F00362	F	6	0	73	0.1	6.0	4.4	2.7	101.8	16.8	0.9
89F00363	F	6	0	96	0.1	5.8	4.6	3.5	142.2	16.6	1.8
89F00379	F	6	0	63	0.1	6.2	4.6	2.9	120.0	15.3	1.1
Mean				69.0	0.08	6.10	4.50	2.86	121.04	17.30	1.12
Std Dev				19.1	0.04	0.32	0.10	0.47	18.16	1.58	0.39
SEM				8.5	0.02	0.14	0.04	0.21	8.12	0.71	0.17

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	0	112	0.1	6.6	4.9	2.8	121.5	23.6	1.0
89F00353	F	7	0	46	0.1	5.9	4.4	2.9	130.6	20.8	1.1
89F00366	F	7	0	37	0.1	6.5	4.9	3.3	103.5	15.4	1.2
89F00372	F	7	0	83	0.1	6.1	4.2	2.1	147.2	20.2	0.8
89F00390	F	7	0	56	0.0	6.4	4.6	2.5	116.5	15.0	0.9
Mean				66.8	0.08	6.30	4.60	2.72	123.86	19.00	1.00
Std Dev				30.6	0.04	0.29	0.31	0.45	16.31	3.70	0.16
SEM				13.7	0.02	0.13	0.14	0.20	7.30	1.66	0.07
89F00346	F	8	0	19	0.0	6.4	4.8	3.0	119.7	18.3	1.1
89F00359	F	8	0	78	0.0	6.0	4.3	2.6	111.9	16.7	1.0
89F00365	F	8	0	45	0.0	6.3	4.4	2.3	124.7	16.1	1.0
89F00392	F	8	0	61	0.0	6.2	4.7	3.1	131.2	15.6	0.9
89F00393	F	8	0	119	0.1	6.1	4.3	2.5	129.0	22.3	0.9
Mean				64.4	0.02	6.20	4.50	2.70	123.30	17.80	0.98
Std Dev				37.5	0.04	0.16	0.23	0.34	7.74	2.71	0.08
SEM				16.8	0.02	0.07	0.10	0.15	3.46	1.21	0.04
89F00340	F	9	0	27	0.0	6.2	4.3	2.3	118.5	23.0	1.1
89F00349	F	9	0	87	0.1	6.2	4.1	2.0	135.4	15.6	0.8
89F00356	F	9	0	118	0.0	5.9	4.5	3.2	80.2	16.5	0.9
89F00367	F	9	0	35	0.1	5.8	4.5	3.4	117.6	17.2	1.1
89F00384	F	9	0	44	0.0	6.2	4.3	2.4	115.5	15.7	1.1
Mean				62.2	0.04	6.06	4.34	2.66	113.44	17.60	1.00
Std Dev				38.9	0.05	0.19	0.17	0.61	20.21	3.09	0.14
SEM				17.4	0.02	0.09	0.07	0.27	9.04	1.38	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	0	15.1	4.3	151.5	125	4.3	222.5	2.00
89F00351	F	10	0	14.7	3.6	149.0	111	3.8	531.9	1.86
89F00364	F	10	0	14.5	3.1	147.5	117	4.1	361.8	2.01
89F00373	F	10	0	14.3	4.3	147.3	111	4.3	545.3	2.16
89F00381	F	10	0	13.1	2.3	148.3	110	3.9	432.6	2.01
Mean				14.34	3.52	148.72	114.8	4.08	418.82	2.008
Std Dev				0.75	0.85	1.69	6.3	0.23	133.01	0.106
SEM				0.34	0.38	0.76	2.8	0.10	59.48	0.047

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	0	12.8	4.2	147.6	116	3.9	103.7	1.72
89F00339	F	1	0	14.7	4.3	148.0	117	3.9	292.8	1.95
89F00352	F	1	0	14.7	3.5	149.6	116	4.6	133.8	1.71
89F00369	F	1	0	14.2	4.0	145.9	112	4.2	578.0	1.73
89F00377	F	1	0	13.9	3.0	146.7	NT	3.8	221.2	1.74
Mean				14.06	3.80	147.56	115.3	4.08	265.90	1.770
Std Dev				0.78	0.54	1.40	2.2	0.33	189.66	0.101
SEM				0.35	0.24	0.63	1.1	0.15	84.82	0.045
89F00337	F	2	0	14.8	3.5	147.8	118	3.8	445.4	1.66
89F00358	F	2	0	14.8	2.8	146.6	114	3.8	432.4	1.59
89F00371	F	2	0	14.6	2.9	146.8	109	3.6	330.4	1.66
89F00389	F	2	0	13.5	2.0	147.8	112	3.7	505.2	1.84
89F00391	F	2	0	15.0	3.0	146.8	112	4.2	420.5	1.85
Mean				14.54	2.84	147.16	113.0	3.82	426.78	1.720
Std Dev				0.60	0.54	0.59	3.3	0.23	62.96	0.118
SEM				0.27	0.24	0.26	1.5	0.10	28.16	0.053
89F00348	F	3	0	15.3	4.4	148.6	120	4.0	400.8	1.43
89F00355	F	3	0	15.9	2.7	148.6	113	4.6	304.7	1.75
89F00368	F	3	0	14.8	4.3	147.4	108	4.3	123.5	2.03
89F00370	F	3	0	14.2	3.9	146.7	111	4.3	536.3	1.95
89F00383	F	3	0	13.7	4.2	145.6	109	4.3	406.8	1.96
Mean				14.78	3.90	147.38	112.2	4.30	354.42	1.824
Std Dev				0.87	0.70	1.29	4.8	0.21	153.11	0.244
SEM				0.39	0.31	0.57	2.1	0.09	68.47	0.109

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	0	14.8	4.5	151.1	118	4.5	480.6	1.93
89F00354	F	4	0	14.7	3.8	149.2	113	4.4	243.5	1.89
89F00374	F	4	0	14.1	4.0	147.5	107	3.8	490.1	1.98
89F00380	F	4	0	13.6	3.3	148.6	109	4.2	156.8	2.11
89F00387	F	4	0	12.3	2.8	128.9	92	2.7	2778.4	1.79
Mean				13.90	3.68	145.06	107.8	3.92	829.88	1.940
Std Dev				1.02	0.65	9.13	9.8	0.73	1098.98	0.118
SEM				0.45	0.29	4.08	4.4	0.33	491.48	0.053
89F00341	F	5	0	14.5	5.8	145.1	113	4.8	114.2	2.53
89F00347	F	5	0	15.0	4.5	149.2	117	4.2	560.4	1.93
89F00360	F	5	0	14.9	3.8	146.4	111	4.1	397.7	1.73
89F00375	F	5	0	13.9	5.3	147.2	112	4.3	538.2	1.87
89F00394	F	5	0	12.9	2.9	149.0	110	3.6	491.3	1.77
Mean				14.24	4.46	147.38	112.6	4.20	420.36	1.966
Std Dev				0.86	1.16	1.74	2.7	0.43	182.19	0.325
SEM				0.39	0.52	0.78	1.2	0.19	81.48	0.145
89F00343	F	6	0	15.7	5.1	149.6	118	4.3	497.8	1.72
89F00357	F	6	0	14.5	3.2	146.4	111	3.8	380.3	1.85
89F00362	F	6	0	15.1	3.1	148.8	111	4.2	513.7	1.76
89F00363	F	6	0	15.4	4.7	144.7	112	4.7	230.3	2.17
89F00379	F	6	0	14.1	2.9	149.4	110	4.1	529.7	1.89
Mean				14.96	3.80	147.78	112.4	4.22	430.36	1.878
Std Dev				0.65	1.02	2.14	3.2	0.33	126.38	0.177
SEM				0.29	0.46	0.96	1.4	0.15	56.52	0.079

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	0	16.0	3.2	148.9	119	4.2	417.5	1.71
89F00353	F	7	0	14.1	3.0	148.6	113	4.0	384.2	1.66
89F00366	F	7	0	14.6	4.2	147.2	116	3.9	486.4	2.33
89F00372	F	7	0	13.4	4.2	148.1	113	4.1	73.6	1.77
89F00390	F	7	0	13.0	2.1	148.6	110	3.3	957.8	1.88
Mean				14.22	3.34	148.28	114.2	3.90	463.90	1.870
Std Dev				1.17	0.89	0.67	3.4	0.35	318.31	0.270
SEM				0.52	0.40	0.30	1.5	0.16	142.35	0.121
89F00346	F	8	0	15.3	4.0	147.8	120	4.0	587.5	2.06
89F00359	F	8	0	15.1	3.7	148.4	111	4.2	390.3	2.11
89F00365	F	8	0	14.6	5.0	145.8	113	4.2	347.5	1.94
89F00392	F	8	0	13.7	1.8	149.9	110	3.7	513.9	1.85
89F00393	F	8	0	13.9	3.6	151.3	113	4.4	560.9	1.97
Mean				14.52	3.62	148.64	113.4	4.10	480.02	1.986
Std Dev				0.71	1.16	2.09	3.9	0.26	105.89	0.102
SEM				0.32	0.52	0.94	1.7	0.12	47.36	0.046
89F00340	F	9	0	13.9	3.1	150.1	122	4.3	564.6	1.57
89F00349	F	9	0	15.1	3.7	149.8	117	3.8	706.9	1.62
89F00356	F	9	0	14.7	2.9	149.0	113	3.8	339.2	1.85
89F00367	F	9	0	14.1	4.5	146.6	117	4.1	174.3	1.89
89F00384	F	9	0	14.2	3.2	147.4	109	3.8	324.2	1.71
Mean				14.40	3.48	148.58	115.6	3.96	421.84	1.728
Std Dev				0.49	0.64	1.52	4.9	0.23	211.71	0.140
SEM				0.22	0.29	0.68	2.2	0.10	94.68	0.062

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	1	18.5	14.4	76.0	207.6	5.5	1381.5	0.0	30.4
89F00351	F	10	1	26.0	10.5	68.2	82.5	4.6	228.9	0.0	42.1
89F00364	F	10	1	25.2	10.5	43.3	40.7	5.4	440.7	0.0	42.0
89F00373	F	10	1	29.5	8.2	74.5	64.1	4.1	1136.4	0.0	44.6
89F00381	F	10	1	25.3	6.6	65.7	30.0	6.1	657.0	0.0	30.8
Mean				24.90	10.04	65.54	84.98	5.14	768.9	0.00	37.98
Std Dev				3.99	2.94	13.15	71.52	0.79	480.2	0.00	6.82
SEM				1.78	1.32	5.88	31.99	0.35	214.7	0.00	3.05

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	1	25.7	18.7	72.2	87.5	3.3	636.4	0.0	36.8
89F00339	F	1	1	49.8	56.5	170.6	81.6	4.8	4908.6	0.0	73.4
89F00352	F	1	1	19.5	12.8	81.5	108.8	4.6	1075.2	0.0	50.4
89F00369	F	1	1	22.1	12.3	92.7	122.2	5.1	534.8	0.0	63.3
89F00377	F	1	1	21.4	14.2	169.9	61.2	8.7	368.4	0.0	51.6
Mean				27.70	22.90	117.38	92.26	5.30	1504.7	0.00	55.10
Std Dev				12.56	18.95	48.81	23.83	2.02	1920.7	0.00	13.89
SEM				5.62	8.48	21.83	10.66	0.90	859.0	0.00	6.21
89F00337	F	2	1	41.7	33.8	213.9	95.2	4.7	2261.9	0.0	66.2
89F00358	F	2	1	20.5	17.4	44.9	30.2	3.2	347.4	0.0	39.4
89F00371	F	2	1	11.7	16.9	57.1	76.8	4.8	703.0	0.0	44.9
89F00389	F	2	1	22.6	22.2	59.2	43.5	8.6	2578.4	0.0	54.3
89F00391	F	2	1	20.0	18.7	88.9	46.3	4.7	534.2	0.0	36.0
Mean				23.30	21.80	92.80	58.40	5.20	1285.0	0.00	48.16
Std Dev				11.09	7.02	69.60	26.72	2.01	1049.9	0.00	12.23
SEM				4.96	3.14	31.13	11.95	0.90	469.5	0.00	5.47
89F00348	F	3	1	42.7	54.9	116.0	218.1	5.2	1360.3	0.0	52.7
89F00355	F	3	1	24.9	23.7	82.9	95.5	0.4	306.6	0.0	40.4
89F00368	F	3	1	32.6	22.2	67.9	56.7	6.1	437.3	0.0	41.5
89F00370	F	3	1	38.2	19.8	26.6	196.4	5.1	959.2	0.0	43.4
89F00383	F	3	1	36.4	18.5	105.3	31.7	8.9	399.5	0.0	53.1
Mean				34.96	27.82	79.74	119.68	5.14	692.6	0.00	46.22
Std Dev				6.69	15.27	35.15	83.46	3.06	452.0	0.00	6.19
SEM				2.99	6.83	15.72	37.33	1.37	202.1	0.00	2.77

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GST	CK	BILI	CHOL
89F00345	F	4	1	29.4	17.4	105.3	181.2	5.5	1159.2	0.0	46.9
89F00354	F	4	1	25.6	10.7	110.9	94.8	1.8	479.9	0.0	41.5
89F00374	F	4	1	37.4	15.9	87.3	50.1	5.0	727.9	0.0	85.3
89F00380	F	4	1	15.3	7.7	99.5	51.3	7.5	1684.6	0.0	60.0
89F00387	F	4	1	19.9	14.7	68.9	260.6	4.8	1202.6	0.0	61.4
Mean				25.52	13.28	94.38	127.70	4.92	1050.8	0.00	59.02
Std Dev				8.55	3.99	16.72	91.36	2.05	465.5	0.00	16.96
SEM				3.82	1.78	7.48	40.86	0.92	208.2	0.00	7.59
89F00341	F	5	1	82.3	95.7	75.7	89.1	5.4	2207.8	0.0	59.1
89F00347	F	5	1	31.1	15.9	75.2	58.1	7.0	647.4	0.0	61.4
89F00360	F	5	1	13.2	8.9	95.4	82.4	3.6	833.6	0.0	27.3
89F00375	F	5	1	32.8	10.0	64.6	36.2	2.9	1016.0	0.0	70.3
89F00394	F	5	1	20.6	14.8	86.3	166.4	4.8	1366.5	0.0	38.3
Mean				36.00	27.06	79.44	86.44	4.74	1214.2	0.00	51.28
Std Dev				27.09	32.92	11.77	49.36	1.60	615.6	0.00	17.81
SEM				12.11	14.72	5.26	22.07	0.72	275.3	0.00	7.97
89F00343	F	6	1	20.9	8.5	91.8	35.0	4.7	635.5	0.0	59.1
89F00357	F	6	1	23.1	10.9	108.3	78.1	2.3	865.1	0.0	38.7
89F00362	F	6	1	31.8	12.3	61.9	40.8	2.4	538.7	0.0	20.6
89F00363	F	6	1	24.5	11.0	74.1	59.5	4.6	452.8	0.0	31.1
89F00379	F	6	1	39.5	5.9	49.0	23.2	6.2	314.7	0.0	45.0
Mean				27.96	9.72	77.00	47.32	4.04	601.4	0.00	38.38
Std Dev				7.64	2.54	23.52	21.63	1.67	161.1	0.00	14.45
SEM				3.42	1.14	10.52	9.67	0.75	72.2	0.00	6.47

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	1	40.5	49.1	118.1	155.7	3.4	2796.7	0.0	41.3
89F00353	F	7	1	19.0	16.6	103.5	84.0	4.1	325.9	0.0	41.1
89F00366	F	7	1	20.0	8.2	73.2	41.5	4.9	591.4	0.0	82.0
89F00372	F	7	1	48.0	24.3	80.7	51.8	7.1	1575.3	0.0	41.5
89F00390	F	7	1	19.3	14.1	58.2	74.7	3.5	1303.0	0.0	43.0
Mean				29.36	22.46	86.74	81.54	4.60	1318.5	0.00	49.78
Std Dev				13.85	15.97	23.97	44.83	1.52	970.2	0.00	18.03
SEM				6.20	7.14	10.72	20.05	0.68	433.9	0.00	8.06
89F00346	F	8	1	35.2	28.6	91.9	124.5	4.3	941.1	0.0	34.4
89F00359	F	8	1	21.6	9.2	117.2	46.2	3.3	545.3	0.0	46.5
89F00365	F	8	1	20.6	14.5	111.4	37.5	5.0	633.2	0.0	39.5
89F00392	F	8	1	32.9	25.6	97.8	84.0	4.3	2734.7	0.0	38.9
89F00393	F	8	1	16.9	11.7	95.5	78.2	4.2	637.9	0.0	35.0
Mean				25.44	17.92	102.76	74.08	4.22	1098.4	0.00	38.86
Std Dev				8.09	8.65	10.94	34.54	0.61	926.9	0.00	4.84
SEM				3.62	3.87	4.89	15.45	0.27	414.5	0.00	2.16
89F00340	F	9	1	28.3	49.8	71.2	49.4	4.1	1857.4	0.0	34.1
89F00349	F	9	1	36.6	30.9	64.5	52.2	5.1	1020.4	0.0	44.3
89F00356	F	9	1	13.5	18.8	68.2	56.2	4.7	532.3	0.0	18.3
89F00367	F	9	1	15.6	16.9	82.0	132.2	4.9	555.1	0.0	29.3
89F00384	F	9	1	29.4	22.8	66.2	33.4	8.7	427.2	0.0	28.5
Mean				24.68	27.84	70.42	64.68	5.50	878.5	0.00	30.90
Std Dev				9.81	13.40	6.94	38.73	1.83	593.0	0.00	9.45
SEM				4.39	5.99	3.10	17.32	0.82	265.2	0.00	4.22

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	1	85	0.0	6.1	4.4	2.5	103.6	18.5	1.2
89F00351	F	10	1	14	0.0	5.5	4.0	2.7	151.8	18.4	1.0
89F00364	F	10	1	42	0.2	6.5	4.6	2.3	103.8	18.9	1.1
89F00373	F	10	1	114	0.1	6.3	4.9	3.3	111.1	17.6	1.2
89F00381	F	10	1	48	0.0	5.6	4.3	3.2	122.3	13.4	1.2
Mean				60.6	0.06	6.00	4.44	2.80	118.52	17.36	1.14
Std Dev				39.1	0.09	0.44	0.34	0.44	20.10	2.26	0.09
SEM				17.5	0.04	0.19	0.15	0.19	8.99	1.01	0.04

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	1	64	0.1	5.5	3.6	1.9	127.9	13.9	0.8
89F00339	F	1	1	71	0.1	6.4	4.4	2.2	131.2	15.6	1.0
89F00352	F	1	1	49	0.0	5.7	4.0	2.4	133.2	17.0	1.0
89F00369	F	1	1	65	0.0	5.8	4.1	2.4	114.0	19.2	1.1
89F00377	F	1	1	34	0.0	5.2	3.5	2.1	104.6	14.3	1.0
Mean				56.6	0.04	5.72	3.92	2.20	122.18	16.00	0.98
Std Dev				15.0	0.05	0.44	0.37	0.21	12.36	2.16	0.11
SEM				6.7	0.02	0.20	0.17	0.09	5.53	0.97	0.05
89F00337	F	2	1	107	0.0	5.8	4.4	3.1	112.9	19.0	0.8
89F00358	F	2	1	17	0.0	5.8	3.9	2.0	128.5	15.1	1.3
89F00371	F	2	1	90	0.0	6.7	4.2	1.7	104.6	18.8	1.1
89F00389	F	2	1	59	0.1	6.2	4.3	2.2	116.9	15.9	0.9
89F00391	F	2	1	127	0.0	5.6	3.9	2.2	111.3	16.1	1.3
Mean				80.0	0.02	6.02	4.14	2.24	114.84	16.98	1.08
Std Dev				43.2	0.04	0.44	0.23	0.52	8.83	1.79	0.23
SEM				19.3	0.02	0.20	0.10	0.23	3.95	0.80	0.10
89F00348	F	3	1	43	0.0	6.1	4.7	3.2	72.8	27.6	1.1
89F00355	F	3	1	108	0.0	6.2	4.2	2.2	141.5	16.3	0.9
89F00368	F	3	1	129	0.1	6.6	4.3	1.8	119.0	17.2	1.2
89F00370	F	3	1	30	0.1	6.5	4.2	1.9	111.9	18.3	0.5
89F00383	F	3	1	57	0.0	6.6	4.2	1.7	123.9	13.1	1.0
Mean				73.4	0.04	6.40	4.32	2.16	113.82	18.50	0.94
Std Dev				42.9	0.05	0.23	0.22	0.61	25.40	5.44	0.27
SEM				19.2	0.02	0.10	0.10	0.27	11.36	2.43	0.12

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	1	128	0.0	6.4	4.8	3.0	106.3	18.2	1.0
89F00354	F	4	1	109	0.2	5.9	4.5	3.1	146.4	14.1	0.8
89F00374	F	4	1	193	0.1	7.2	4.9	2.1	140.7	16.7	2.6
89F00380	F	4	1	71	0.0	5.4	4.0	2.9	109.5	11.9	1.2
89F00387	F	4	1	111	0.1	5.4	4.2	3.3	118.5	16.7	1.2
Mean				122.4	0.08	6.06	4.48	2.88	124.28	15.52	1.36
Std Dev				44.6	0.08	0.76	0.38	0.46	18.26	2.50	0.71
SEM				20.0	0.04	0.34	0.17	0.21	8.17	1.12	0.32
89F00341	F	5	1	107	0.1	6.1	4.2	2.1	128.0	23.9	1.4
89F00347	F	5	1	102	0.0	6.4	4.5	2.4	117.0	20.3	1.0
89F00360	F	5	1	88	0.1	5.4	3.9	2.7	153.4	12.7	0.9
89F00375	F	5	1	93	0.1	5.9	4.2	2.4	124.9	17.1	1.0
89F00394	F	5	1	167	0.1	6.0	4.1	2.2	152.4	19.1	1.1
Mean				111.4	0.08	5.96	4.18	2.36	135.14	18.62	1.08
Std Dev				32.0	0.04	0.36	0.22	0.23	16.71	4.13	0.19
SEM				14.3	0.02	0.16	0.10	0.10	7.47	1.85	0.09
89F00343	F	6	1	69	0.0	6.3	4.6	2.6	139.0	16.4	0.9
89F00357	F	6	1	39	0.1	5.3	4.0	3.0	141.0	12.7	0.9
89F00362	F	6	1	102	0.2	6.0	4.2	2.4	132.6	15.6	1.0
89F00363	F	6	1	103	0.1	6.3	4.8	3.4	121.4	19.3	1.4
89F00379	F	6	1	60	0.1	5.8	4.2	2.5	124.6	16.6	1.0
Mean				74.6	0.10	5.94	4.36	2.78	131.72	16.12	1.04
Std Dev				27.7	0.07	0.42	0.33	0.41	8.62	2.37	0.21
SEM				12.4	0.03	0.19	0.15	0.19	3.85	1.06	0.09

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	1	67	0.0	5.9	4.2	2.5	93.4	15.3	1.6
89F00353	F	7	1	49	0.0	5.9	4.1	2.3	130.4	20.0	1.1
89F00366	F	7	1	70	0.1	6.2	4.2	2.1	122.0	16.2	0.9
89F00372	F	7	1	114	0.1	6.3	4.5	2.5	136.1	15.9	0.8
89F00390	F	7	1	63	0.1	6.0	3.8	1.7	122.6	15.4	0.8
Mean				72.6	0.06	6.06	4.16	2.22	120.90	16.56	1.04
Std Dev				24.5	0.05	0.18	0.25	0.33	16.44	1.96	0.34
SEM				11.0	0.02	0.08	0.11	0.15	7.35	0.88	0.15
89F00346	F	8	1	26	0.0	5.8	4.3	3.0	107.8	20.7	1.0
89F00359	F	8	1	86	0.0	6.1	4.4	2.6	128.8	15.9	1.1
89F00365	F	8	1	61	0.0	6.7	4.0	1.5	107.4	16.1	0.8
89F00392	F	8	1	36	0.0	6.1	3.7	1.6	116.2	15.8	0.7
89F00393	F	8	1	89	0.1	6.0	3.8	1.7	145.9	18.0	0.9
Mean				59.6	0.02	6.14	4.04	2.08	121.22	17.30	0.90
Std Dev				28.5	0.04	0.34	0.30	0.68	16.30	2.10	0.16
SEM				12.7	0.02	0.15	0.14	0.30	7.29	0.94	0.07
89F00340	F	9	1	37	0.1	6.0	3.9	1.9	107.4	21.4	1.2
89F00349	F	9	1	127	0.1	6.1	4.1	2.0	110.0	17.4	0.9
89F00356	F	9	1	63	0.0	5.5	3.8	2.2	152.1	13.4	0.9
89F00367	F	9	1	54	0.1	6.5	4.1	1.7	112.5	18.3	1.0
89F00384	F	9	1	44	0.1	6.6	3.9	1.4	114.6	13.7	1.2
Mean				65.0	0.08	6.14	3.96	1.84	119.32	16.84	1.04
Std Dev				36.0	0.04	0.44	0.13	0.30	18.52	3.35	0.15
SEM				16.1	0.02	0.20	0.06	0.14	8.28	1.50	0.07

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	1	13.5	3.6	148.9	113	3.8	148.6	1.84
89F00351	F	10	1	13.5	3.7	145.0	116	4.2	298.9	1.84
89F00364	F	10	1	14.2	2.7	146.8	110	4.0	464.2	2.01
89F00373	F	10	1	14.0	3.0	147.3	111	4.8	366.9	2.14
89F00381	F	10	1	13.8	3.3	148.2	116	4.7	395.2	1.90
Mean				13.80	3.26	147.24	113.2	4.30	334.76	1.946
Std Dev				0.31	0.42	1.49	2.8	0.44	119.77	0.129
SEM				0.14	0.19	0.67	1.2	0.19	53.56	0.058

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	1	13.7	4.0	148.7	112	3.5	554.1	1.63
89F00339	F	1	1	13.2	4.1	148.5	115	3.6	444.1	1.73
89F00352	F	1	1	13.6	3.1	146.6	115	4.4	123.0	1.64
89F00369	F	1	1	13.5	3.4	148.1	112	4.2	152.4	1.75
89F00377	F	1	1	12.8	3.7	147.0	115	4.3	159.7	1.78
Mean				13.36	3.66	147.78	113.8	4.00	286.66	1.706
Std Dev				0.36	0.42	0.93	1.6	0.42	198.27	0.067
SEM				0.16	0.19	0.42	0.7	0.19	88.67	0.030
89F00337	F	2	1	13.7	3.6	149.5	110	3.7	248.0	1.66
89F00358	F	2	1	12.9	3.3	145.9	113	4.4	453.5	1.52
89F00371	F	2	1	13.7	2.4	149.0	110	3.5	193.1	1.75
89F00389	F	2	1	12.8	3.0	149.1	116	3.9	450.2	1.70
89F00391	F	2	1	13.0	4.2	146.6	114	4.3	377.5	1.60
Mean				13.22	3.30	148.02	112.6	3.96	344.46	1.646
Std Dev				0.44	0.67	1.65	2.6	0.38	118.72	0.089
SEM				0.20	0.30	0.74	1.2	0.17	53.09	0.040
89F00348	F	3	1	14.0	4.4	149.5	110	4.5	81.2	2.14
89F00355	F	3	1	14.2	3.1	147.4	112	5.1	294.0	1.58
89F00368	F	3	1	14.4	3.8	148.0	104	4.3	100.7	1.78
89F00370	F	3	1	13.0	3.2	146.5	111	4.1	167.6	1.97
89F00383	F	3	1	14.4	4.6	148.2	110	5.2	349.8	1.85
Mean				14.00	3.82	147.92	109.4	4.64	198.66	1.864
Std Dev				0.58	0.68	1.10	3.1	0.49	118.63	0.209
SEM				0.26	0.30	0.49	1.4	0.22	53.05	0.094

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	1	14.8	3.8	150.4	114	4.4	124.8	2.02
89F00354	F	4	1	14.2	3.3	147.0	117	4.8	401.0	1.87
89F00374	F	4	1	15.8	3.6	153.5	109	2.9	494.1	2.21
89F00380	F	4	1	13.5	3.0	144.6	115	4.0	271.5	1.80
89F00387	F	4	1	14.3	4.5	145.8	111	5.0	153.3	1.94
Mean				14.52	3.64	148.26	113.2	4.22	288.94	1.968
Std Dev				0.85	0.57	3.64	3.2	0.83	158.34	0.158
SEM				0.38	0.25	1.63	1.4	0.37	70.81	0.071
89F00341	F	5	1	13.3	3.2	161.9	124	3.4	869.2	1.51
89F00347	F	5	1	14.4	3.4	147.8	113	4.0	485.4	1.71
89F00360	F	5	1	13.5	4.4	145.2	112	4.5	333.9	1.75
89F00375	F	5	1	13.3	3.2	147.7	108	3.8	556.1	1.46
89F00394	F	5	1	12.5	3.4	148.5	110	4.3	286.4	1.82
Mean				13.40	3.52	150.22	113.4	4.00	506.20	1.650
Std Dev				0.68	0.50	6.65	6.2	0.43	230.59	0.157
SEM				0.30	0.22	2.97	2.8	0.19	103.12	0.070
89F00343	F	6	1	14.4	3.7	147.6	112	3.8	520.7	1.55
89F00357	F	6	1	13.7	4.0	146.0	116	4.4	432.1	1.85
89F00362	F	6	1	14.3	3.1	148.4	115	4.7	595.5	1.68
89F00363	F	6	1	14.7	3.7	147.3	104	4.1	241.1	1.94
89F00379	F	6	1	14.1	4.1	149.8	113	4.4	386.4	1.74
Mean				14.24	3.72	147.82	112.0	4.28	435.16	1.752
Std Dev				0.37	0.39	1.40	4.7	0.34	135.16	0.151
SEM				0.17	0.17	0.63	2.1	0.15	60.45	0.067

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	1	13.3	3.4	146.1	106	3.3	38.2	1.93
89F00353	F	7	1	13.9	3.9	147.2	115	4.9	416.8	1.69
89F00366	F	7	1	14.4	2.4	147.4	108	4.1	334.7	1.65
89F00372	F	7	1	13.5	2.7	148.1	111	3.8	588.6	1.74
89F00390	F	7	1	11.7	2.9	147.2	112	4.1	737.9	1.59
Mean				13.36	3.06	147.20	110.4	4.04	423.24	1.720
Std Dev				1.02	0.59	0.72	3.5	0.58	265.75	0.130
SEM				0.46	0.27	0.32	1.6	0.26	118.85	0.058
89F00346	F	8	1	14.0	3.1	147.1	111	3.6	109.9	1.78
89F00359	F	8	1	14.6	4.2	148.3	109	4.1	500.6	2.22
89F00365	F	8	1	13.7	3.6	145.0	108	4.0	382.0	1.69
89F00392	F	8	1	11.8	2.9	149.0	113	3.9	398.3	1.49
89F00393	F	8	1	12.9	3.7	150.0	109	4.6	508.8	1.74
Mean				13.40	3.50	147.88	110.0	4.04	379.92	1.784
Std Dev				1.08	0.51	1.93	2.0	0.36	161.58	0.268
SEM				0.48	0.23	0.86	0.9	0.16	72.26	0.120
89F00340	F	9	1	13.1	2.8	149.0	115	4.0	543.8	1.54
89F00349	F	9	1	13.4	3.2	149.8	114	3.9	549.8	1.70
89F00356	F	9	1	13.3	3.8	145.6	113	4.2	263.6	1.87
89F00367	F	9	1	13.5	3.7	147.4	113	4.1	194.7	1.72
89F00384	F	9	1	13.6	3.4	146.8	113	4.3	134.0	1.69
Mean				13.38	3.38	147.72	113.6	4.10	337.18	1.704
Std Dev				0.19	0.40	1.69	0.9	0.16	196.78	0.117
SEM				0.09	0.18	0.76	0.4	0.07	88.00	0.052

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	2	21.6	8.6	70.5	40.6	5.1	552.7	0.0	30.9
89F00351	F	10	2	28.2	12.5	67.2	159.3	5.5	604.6	0.0	40.9
89F00364	F	10	2	24.2	9.7	37.7	35.5	6.0	496.8	0.0	39.4
89F00373	F	10	2	29.7	9.1	95.0	53.9	5.3	763.2	0.0	40.5
89F00381	F	10	2	24.6	7.4	66.8	36.7	5.3	443.0	0.0	32.0
Mean				25.66	9.46	67.44	65.20	5.44	572.1	0.00	36.74
Std Dev				3.26	1.90	20.33	53.11	0.34	122.8	0.00	4.88
SEM				1.46	0.85	9.09	23.75	0.15	54.9	0.00	2.18

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	2	19.2	17.7	79.3	44.3	4.9	376.5	0.0	32.7
89F00339	F	1	2	46.9	33.0	144.4	46.1	4.9	1188.3	0.0	71.7
89F00352	F	1	2	18.5	18.1	85.4	100.7	6.6	888.9	0.0	50.1
89F00369	F	1	2	19.3	17.4	102.6	49.8	5.9	255.2	0.0	52.8
89F00377	F	1	2	19.6	14.5	190.9	29.3	9.2	174.6	0.0	43.6
Mean				24.70	20.14	120.52	54.04	6.30	576.7	0.00	50.18
Std Dev				12.42	7.33	46.84	27.23	1.77	440.7	0.00	14.31
SEM				5.55	3.28	20.95	12.18	0.79	197.1	0.00	6.40
89F00337	F	2	2	31.4	20.0	238.7	36.4	5.6	620.2	0.0	55.2
89F00358	F	2	2	21.6	17.7	43.1	44.0	3.5	155.5	0.0	44.8
89F00371	F	2	2	12.4	21.9	65.1	39.4	6.1	370.1	0.0	32.5
89F00389	F	2	2	18.9	23.7	50.9	41.7	5.9	1062.8	0.0	53.6
89F00391	F	2	2	23.7	24.9	89.5	63.6	6.4	459.4	0.0	42.1
Mean				21.60	21.64	97.46	45.02	5.50	533.6	0.00	45.64
Std Dev				6.94	2.88	80.90	10.76	1.16	340.1	0.00	9.23
SEM				3.10	1.29	36.18	4.81	0.52	152.1	0.00	4.13
89F00348	F	3	2	33.4	26.3	93.8	44.3	4.1	455.3	0.0	33.7
89F00355	F	3	2	22.3	25.5	74.9	38.2	4.6	218.4	0.0	32.3
89F00368	F	3	2	34.3	34.6	67.5	54.8	8.0	364.3	0.0	43.6
89F00370	F	3	2	37.3	31.8	27.7	180.1	5.2	1646.7	0.0	42.9
89F00383	F	3	2	31.4	23.3	110.0	48.5	4.4	285.1	0.0	34.9
Mean				31.74	28.30	74.78	73.18	5.26	594.0	0.00	37.48
Std Dev				5.69	4.71	31.11	60.08	1.58	595.1	0.00	5.35
SEM				2.54	2.11	13.91	26.87	0.71	266.1	0.00	2.39

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00345	F	4	2	27.2	14.5	107.0	48.0	4.6	721.9	0.0	44.6
89F00354	F	4	2	21.7	7.5	101.9	40.1	4.9	380.9	0.0	44.0
89F00374	F	4	2	35.3	12.2	82.5	44.3	5.6	821.3	0.0	74.7
89F00380	F	4	2	13.4	12.2	95.0	201.3	7.0	1305.1	0.0	55.7
89F00387	F	4	2	25.3	11.2	74.4	154.3	3.5	1225.9	0.0	57.2
Mean				24.58	11.52	92.16	97.60	5.12	891.0	0.00	55.24
Std Dev				7.99	2.55	13.53	75.13	1.29	379.9	0.00	12.47
SEM				3.57	1.14	6.05	33.60	0.58	169.9	0.00	5.58
89F00341	F	5	2	42.9	26.0	49.4	187.7	6.0	5117.9	0.0	76.4
89F00347	F	5	2	28.0	15.6	61.4	69.5	5.2	489.0	0.0	58.4
89F00360	F	5	2	11.5	7.8	85.3	47.3	5.9	1038.1	0.0	28.5
89F00375	F	5	2	31.7	8.1	63.5	38.2	4.2	430.7	0.0	55.3
89F00394	F	5	2	20.4	16.2	88.0	154.8	5.1	1410.2	0.0	39.3
Mean				26.90	14.74	69.52	99.50	5.28	1697.2	0.00	51.58
Std Dev				11.83	7.45	16.56	67.49	0.73	1954.6	0.00	18.44
SEM				5.29	3.33	7.41	30.18	0.32	874.1	0.00	8.25
89F00343	F	6	2	19.8	6.8	83.9	30.0	7.0	384.6	0.0	54.8
89F00357	F	6	2	20.1	8.8	92.6	68.8	4.3	612.4	0.0	38.2
89F00362	F	6	2	31.9	14.0	54.1	140.6	2.8	1099.8	0.0	25.2
89F00363	F	6	2	died							
89F00379	F	6	2	32.4	7.4	46.4	32.5	7.7	382.4	0.0	49.6
Mean				26.05	9.25	69.25	67.98	5.45	619.8	0.00	41.95
Std Dev				7.05	3.28	22.45	51.56	2.30	337.7	0.00	13.14
SEM				3.52	1.64	11.22	25.78	1.15	168.9	0.00	6.57

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	2	39.8	34.7	91.5	40.9	3.8	719.4	0.0	31.8
89F00353	F	7	2	14.8	18.8	86.6	68.2	5.6	218.8	0.0	35.3
89F00366	F	7	2	18.4	14.7	83.5	43.0	5.7	507.7	0.0	69.9
89F00372	F	7	2	39.8	24.2	83.3	42.2	9.1	907.1	0.0	40.2
89F00390	F	7	2	16.4	16.1	60.4	33.6	6.9	462.3	0.0	39.9
Mean				25.84	21.70	81.06	45.58	6.22	563.1	0.00	43.42
Std Dev				12.81	8.12	12.02	13.18	1.95	262.0	0.00	15.21
SEM				5.73	3.63	5.37	5.90	0.87	117.2	0.00	6.80
89F00346	F	8	2	32.0	27.1	86.2	43.0	4.0	579.4	0.0	26.1
89F00359	F	8	2	23.9	17.2	116.7	36.6	5.0	458.7	0.0	38.4
89F00365	F	8	2	20.1	19.5	116.3	48.4	5.0	564.7	0.0	32.1
89F00392	F	8	2	30.3	39.9	117.8	39.2	4.6	1220.1	0.0	26.5
89F00393	F	8	2	14.6	13.9	104.5	89.0	4.3	318.5	0.0	33.9
Mean				24.18	23.52	108.30	51.24	4.58	628.3	0.00	31.40
Std Dev				7.20	10.37	13.49	21.57	0.44	346.9	0.00	5.19
SEM				3.22	4.64	6.03	9.65	0.20	155.1	0.00	2.32
89F00340	F	9	2	21.7	36.4	69.4	147.1	4.8	724.4	0.0	29.3
89F00349	F	9	2	29.0	27.6	59.7	41.7	5.1	576.8	0.0	39.5
89F00356	F	9	2	14.1	25.1	69.6	95.3	5.9	419.1	0.0	16.0
89F00367	F	9	2	15.0	23.2	92.1	103.9	6.2	602.8	0.0	23.5
89F00384	F	9	2	28.3	30.1	72.0	164.7	5.2	839.6	0.0	25.4
Mean				21.62	28.48	72.56	110.54	5.44	632.5	0.00	26.74
Std Dev				7.06	5.13	11.90	48.18	0.59	158.8	0.00	8.62
SEM				3.16	2.30	5.32	21.55	0.26	71.0	0.00	3.85

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	2	56	0.0	6.3	4.1	1.8	193.0	16.8	1.4
89F00351	F	10	2	66	0.1	5.7	4.5	4.0	132.0	19.8	1.1
89F00364	F	10	2	32	0.0	6.2	4.2	2.1	108.2	19.0	1.0
89F00373	F	10	2	40	0.1	6.0	4.7	3.4	106.3	20.7	1.4
89F00381	F	10	2	55	0.1	5.7	4.3	3.0	128.3	16.3	1.2
Mean				49.8	0.06	5.98	4.36	2.86	133.56	18.52	1.22
Std Dev				13.6	0.05	0.28	0.24	0.91	35.18	1.90	0.18
SEM				6.1	0.02	0.12	0.11	0.41	15.73	0.85	0.08

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	2	47	0.1	5.5	3.9	2.5	111.2	15.4	0.9
89F00339	F	1	2	115	0.0	6.2	4.3	2.2	119.8	11.4	1.1
89F00352	F	1	2	78	0.1	5.7	4.1	2.5	148.7	17.1	1.1
89F00369	F	1	2	33	0.0	5.8	3.7	1.7	106.9	16.6	1.2
89F00377	F	1	2	47	0.0	5.7	3.3	1.4	131.6	15.0	1.0
Mean				64.0	0.04	5.78	3.86	2.06	123.64	15.10	1.06
Std Dev				32.9	0.05	0.26	0.38	0.49	16.89	2.24	0.11
SEM				14.7	0.02	0.12	0.17	0.22	7.55	1.00	0.05
89F00337	F	2	2	99	0.0	5.8	4.3	2.9	130.7	18.0	0.9
89F00358	F	2	2	45	0.0	6.2	3.8	1.6	134.4	15.7	1.2
89F00371	F	2	2	76	0.1	6.7	3.8	1.3	115.2	16.3	1.2
89F00389	F	2	2	45	0.1	6.5	3.8	1.4	119.4	17.8	1.2
89F00391	F	2	2	77	0.1	5.8	3.9	2.1	132.8	19.2	1.0
Mean				68.4	0.06	6.20	3.92	1.86	126.50	17.40	1.10
Std Dev				23.3	0.05	0.41	0.22	0.66	8.63	1.40	0.14
SEM				10.4	0.02	0.18	0.10	0.29	3.86	0.63	0.06
89F00348	F	3	2	76	0.1	5.8	3.7	1.8	138.9	12.0	2.5
89F00355	F	3	2	96	0.1	6.6	4.2	1.7	125.7	16.3	0.8
89F00[illegible]	F	3	2	153	0.0	6.9	3.7	1.1	116.0	17.8	1.4
89F00[illegible]	F	3	2	45	0.1	6.5	3.7	1.3	111.6	19.6	1.0
89F00383	F	3	2	64	0.1	7.0	3.8	1.2	119.7	14.6	1.1
Mean				86.8	0.08	6.56	3.82	1.42	122.38	16.06	1.36
Std Dev				41.4	0.04	0.47	0.22	0.31	10.58	2.93	0.67
SEM				18.5	0.02	0.21	0.10	0.14	4.73	1.31	0.30

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	2	78	0.0	6.6	4.6	2.4	116.7	13.2	1.1
89F00354	F	4	2	122	0.1	5.8	4.6	3.9	146.9	15.8	0.9
89F00374	F	4	2	129	0.1	6.4	4.3	2.0	121.3	16.5	1.3
89F00380	F	4	2	73	0.0	5.3	3.8	2.6	132.2	19.7	1.2
89F00387	F	4	2	221	0.2	6.8	4.7	2.3	164.0	19.5	1.3
Mean				124.6	0.08	6.18	4.40	2.64	136.22	16.94	1.16
Std Dev				59.5	0.08	0.62	0.37	0.74	19.40	2.72	0.17
SEM				26.6	0.04	0.28	0.16	0.33	8.68	1.22	0.07
89F00341	F	5	2	[illegible]	0.0	5.7	4.1	[illegible]	117.5	21.1	1.5
89F00347	F	5	2	[illegible]	0.0	[illegible]	4.3	[illegible]	140.9	18.2	1.2
89F00360	F	5	2	[illegible]	0.1	5.8	4.4	3.3	122.7	13.5	0.9
89F00375	F	5	2	[illegible]	[illegible]	5.3	4.0	3.3	126.5	14.7	1.0
89F00394	F	5	2	178	0.0	6.5	4.6	2.4	127.1	18.9	1.1
Mean				160.8	0.04	5.92	4.24	2.70	126.94	17.28	1.14
Std Dev				75.5	0.05	0.48	0.25	0.60	8.69	3.12	0.23
SEM				33.8	0.02	0.22	0.11	0.27	3.89	1.40	0.10
89F00343	F	6	2	81	0.1	6.3	4.9	3.4	128.2	11.7	1.1
89F00357	F	6	2	53	0.0	5.4	4.1	3.2	145.2	13.7	0.9
89F00362	F	6	2	107	0.2	5.5	4.3	3.6	140.8	20.4	1.1
89F00363	F	6	2	died							
89F00379	F	6	2	68	0.1	6.5	4.4	2.2	116.0	13.7	1.3
Mean				77.3	0.10	5.93	4.43	3.10	132.55	14.88	1.10
Std Dev				22.9	0.08	0.56	0.34	0.62	13.18	3.80	0.16
SEM				11.4	0.04	0.28	0.17	0.31	6.59	1.90	0.08

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	2	68	0.2	6.1	4.0	1.9	139.6	11.9	1.8
89F00353	F	7	2	77	0.0	5.7	4.0	2.4	129.1	20.4	1.0
89F00366	F	7	2	39	0.0	6.4	3.9	1.6	113.8	12.7	0.9
89F00372	F	7	2	65	0.2	6.1	4.1	1.9	128.7	15.3	0.8
89F00390	F	7	2	48	0.1	6.1	3.8	1.7	134.1	14.1	0.9
Mean				59.4	0.10	6.08	3.96	1.90	129.06	14.88	1.08
Std Dev				15.5	0.10	0.25	0.11	0.31	9.61	3.35	0.41
SEM				6.9	0.04	0.11	0.05	0.14	4.30	1.50	0.18
89F00346	F	8	2	NT	0.1	6.0	3.8	1.7	142.9	17.6	1.0
89F00359	F	8	2	117	0.1	5.7	4.3	3.0	140.8	16.6	1.0
89F00365	F	8	2	64	0.0	6.5	3.5	1.2	112.6	15.7	0.9
89F00392	F	8	2	59	0.0	6.9	3.9	1.3	107.8	17.2	0.9
89F00393	F	8	2	97	0.0	7.0	4.2	1.5	128.3	18.7	0.9
Mean				84.3	0.04	6.42	3.94	1.74	126.48	17.16	0.94
Std Dev				27.6	0.05	0.56	0.32	0.73	15.97	1.12	0.05
SEM				13.8	0.02	0.25	0.14	0.33	7.14	0.50	0.02
89F00340	F	9	2	52	0.0	5.7	3.7	1.9	116.1	11.7	1.1
89F00349	F	9	2	116	0.1	6.1	3.5	1.4	149.9	18.2	0.9
89F00356	F	9	2	83	0.0	6.3	3.9	1.7	133.4	14.1	1.0
89F00367	F	9	2	33	0.0	6.7	3.4	1.0	126.3	15.9	1.1
89F00384	F	9	2	67	0.1	7.7	3.8	1.0	124.4	15.1	1.3
Mean				70.2	0.04	6.50	3.66	1.40	130.02	15.00	1.08
Std Dev				31.6	0.05	0.76	0.21	0.41	12.71	2.39	0.15
SEM				14.1	0.02	0.34	0.09	0.18	5.68	1.07	0.07

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	2	14.2	3.4	149.1	114	3.9	430.6	1.93
89F00351	F	10	2	14.5	4.1	144.2	115	4.4	260.6	1.86
89F00364	F	10	2	13.7	3.3	148.7	115	4.2	427.6	1.84
89F00373	F	10	2	13.4	4.3	149.2	115	4.6	376.4	2.36
89F00381	F	10	2	14.8	3.4	148.6	116	4.5	392.8	1.91
Mean				14.12	3.70	147.96	115.0	4.32	377.60	1.980
Std Dev				0.57	0.46	2.12	0.7	0.28	69.34	0.216
SEM				0.26	0.21	0.95	0.3	0.12	31.01	0.096

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	2	13.7	4.2	145.8	110	3.4	582.9	1.70
89F00339	F	1	2	14.2	4.3	147.2	109	4.1	717.0	1.70
89F00352	F	1	2	14.2	4.2	146.4	111	3.9	307.1	1.57
89F00369	F	1	2	12.7	4.0	146.1	116	4.3	318.0	1.56
89F00377	F	1	2	13.7	4.1	146.4	114	3.8	306.5	1.92
Mean				13.70	4.16	146.38	112.0	3.90	446.30	1.690
Std Dev				0.61	0.11	0.52	2.9	0.34	191.91	0.145
SEM				0.27	0.05	0.23	1.3	0.15	85.83	0.065
89F00337	F	2	2	13.9	4.0	147.2	109	3.7	481.9	1.69
89F00358	F	2	2	12.7	3.4	144.5	112	4.2	408.4	1.44
89F00371	F	2	2	13.5	3.6	151.4	117	4.7	304.2	1.67
89F00389	F	2	2	13.5	3.1	148.0	115	3.7	163.6	2.04
89F00391	F	2	2	13.4	2.9	146.7	111	4.7	371.0	1.61
Mean				13.40	3.40	147.56	112.8	4.20	345.82	1.690
Std Dev				0.44	0.43	2.51	3.2	0.50	120.42	0.219
SEM				0.19	0.19	1.12	1.4	0.22	53.85	0.098
89F00348	F	3	2	13.1	3.8	148.6	114	3.9	466.6	1.55
89F00355	F	3	2	13.6	3.5	146.8	115	4.6	260.3	1.38
89F00368	F	3	2	13.6	4.3	148.1	109	4.5	338.8	1.70
89F00370	F	3	2	12.5	4.4	146.5	111	4.2	213.8	1.93
89F00383	F	3	2	13.7	4.5	145.4	109	5.1	529.2	1.66
Mean				13.30	4.10	147.08	111.6	4.46	361.74	1.644
Std Dev				0.50	0.43	1.28	2.8	0.45	133.92	0.202
SEM				0.23	0.19	0.57	1.2	0.20	59.89	0.090

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	2	13.9	4.3	149.1	118	4.0	318.8	1.89
89F00354	F	4	2	14.2	4.3	147.5	114	4.8	412.2	1.88
89F00374	F	4	2	14.6	4.1	149.7	106	3.7	241.3	2.06
89F00380	F	4	2	14.5	4.2	146.4	113	3.9	146.7	2.05
89F00387	F	4	2	15.4	4.7	148.9	112	4.1	134.7	2.26
Mean				14.52	4.32	148.32	112.6	4.10	250.74	2.028
Std Dev				0.56	0.23	1.34	4.3	0.42	117.35	0.155
SEM				0.25	0.10	0.60	1.9	0.19	52.48	0.069
89F00341	F	5	2	14.0	3.9	153.0	114	4.1	1155.9	1.61
89F00347	F	5	2	14.1	4.2	147.8	110	3.9	521.2	1.86
89F00360	F	5	2	14.2	4.6	144.2	109	4.2	326.6	1.69
89F00375	F	5	2	13.4	4.1	147.2	109	4.5	527.0	1.72
89F00394	F	5	2	13.6	3.2	148.8	114	3.9	259.2	1.88
Mean				13.86	4.00	148.20	111.2	4.12	557.98	1.752
Std Dev				0.34	0.51	3.18	2.6	0.25	354.48	0.115
SEM				0.15	0.23	1.42	1.2	0.11	158.53	0.052
89F00343	F	6	2	13.9	4.6	148.0	114	4.3	493.8	1.65
89F00357	F	6	2	13.4	4.8	145.0	112	4.8	376.5	1.76
89F00362	F	6	2	14.4	3.7	146.8	114	5.7	312.2	2.01
89F00363	F	6	2	died						
89F00379	F	6	2	14.4	4.5	148.0	110	3.8	494.1	1.76
Mean				14.03	4.40	146.95	112.5	4.65	419.15	1.795
Std Dev				0.48	0.48	1.42	1.9	0.81	90.27	0.152
SEM				0.24	0.24	0.71	1.0	0.41	45.14	0.076

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	2	13.9	4.2	146.4	111	3.5	856.1	1.59
89F00353	F	7	2	13.6	3.6	145.9	114	4.1	465.2	1.50
89F00366	F	7	2	13.8	4.3	146.6	110	3.9	386.7	1.72
89F00372	F	7	2	13.4	3.8	149.7	111	3.9	431.6	1.74
89F00390	F	7	2	13.9	2.6	147.3	113	3.7	615.1	1.81
Mean				13.72	3.70	147.18	111.8	3.82	550.94	1.672
Std Dev				0.22	0.68	1.50	1.6	0.23	190.92	0.125
SEM				0.10	0.30	0.67	0.7	0.10	85.38	0.056
89F00346	F	8	2	14.4	3.5	143.7	112	3.5	207.3	1.64
89F00359	F	8	2	13.9	4.1	147.5	110	4.3	437.0	2.05
89F00365	F	8	2	14.0	4.1	145.9	111	4.3	312.6	1.67
89F00392	F	8	2	13.0	3.2	146.6	116	3.7	434.4	1.85
89F00393	F	8	2	13.5	4.2	148.7	115	4.6	160.1	1.96
Mean				13.76	3.82	146.48	112.8	4.08	310.28	1.834
Std Dev				0.53	0.44	1.87	2.6	0.46	127.11	0.178
SEM				0.24	0.20	0.84	1.2	0.21	56.85	0.080
89F00340	F	9	2	12.7	3.6	145.3	113	4.2	105.7	1.44
89F00349	F	9	2	13.0	4.2	146.0	112	4.2	478.4	1.59
89F00356	F	9	2	13.8	4.3	145.1	114	4.9	279.8	1.65
89F00367	F	9	2	13.2	4.7	146.0	113	4.1	173.8	1.55
89F00384	F	9	2	13.6	3.5	146.2	112	3.9	124.3	1.41
Mean				13.26	4.06	145.72	112.8	4.26	232.40	1.528
Std Dev				0.44	0.50	0.49	0.8	0.38	153.24	0.101
SEM				0.20	0.22	0.22	0.4	0.17	68.53	0.045

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	3	26.1	11.9	81.7	89.4	6.0	768.4	0.0	34.1
89F00351	F	10	3	19.4	14.0	57.4	203.5	3.7	870.5	0.0	37.8
89F00364	F	10	3	22.8	9.2	32.2	50.7	6.1	534.9	0.0	42.3
89F00373	F	10	3	26.8	7.9	72.4	39.0	6.1	557.9	0.0	44.6
89F00381	F	10	3	21.9	7.6	59.6	63.8	1.7	501.9	0.0	31.7
Mean				23.40	10.12	60.66	89.28	4.72	646.7	0.00	38.10
Std Dev				3.06	2.75	18.72	66.54	1.98	163.0	0.00	5.41
SEM				1.37	1.23	8.37	29.76	0.88	72.9	0.00	2.42

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	3	22.9	25.3	92.1	166.4	4.4	1232.1	0.0	30.7
89F00339	F	1	3	43.7	23.3	161.7	46.3	4.8	517.4	0.0	63.0
89F00352	F	1	3	17.2	18.6	95.6	65.0	7.3	589.7	0.0	46.2
89F00369	F	1	3	18.9	19.3	106.1	52.1	6.7	218.2	0.0	47.0
89F00377	F	1	3	16.6	16.6	208.5	38.7	6.0	183.5	0.0	36.2
Mean				23.86	20.62	132.80	73.70	5.84	548.2	0.00	44.62
Std Dev				11.36	3.57	50.79	52.71	1.23	422.0	0.00	12.36
SEM				5.08	1.60	22.71	23.57	0.55	188.7	0.00	5.53
89F00337	F	2	3	32.3	22.3	234.4	44.7	4.5	317.9	0.0	54.5
89F00358	F	2	3	17.7	18.8	40.9	50.0	3.5	175.8	0.0	41.4
89F00371	F	2	3	7.7	24.7	63.0	224.0	6.0	727.8	0.0	28.7
89F00389	F	2	3	14.1	21.8	44.8	45.1	3.3	707.0	0.0	44.1
89F00391	F	2	3	8.0	8.6	87.4	53.5	5.5	852.0	0.0	29.2
Mean				15.96	19.24	94.10	83.46	4.56	556.1	0.00	39.58
Std Dev				10.06	6.31	80.56	78.65	1.19	292.0	0.00	10.87
SEM				4.50	2.82	36.03	35.17	0.53	130.6	0.00	4.86
89F00348	F	3	3	31.2	25.5	91.4	42.5	5.4	320.2	0.0	33.1
89F00355	F	3	3	24.8	37.5	70.5	64.6	5.9	363.6	0.0	41.2
89F00368	F	3	3	31.9	34.4	59.2	62.8	8.4	318.4	0.0	42.6
89F00370	F	3	3	32.7	30.4	23.7	275.5	6.1	1086.3	0.0	38.2
89F00383	F	3	3	40.0	30.9	110.4	44.9	4.9	256.2	0.0	35.5
Mean				32.12	31.74	71.04	98.06	6.14	468.9	0.00	38.12
Std Dev				5.41	4.52	32.96	99.70	1.35	347.2	0.00	3.93
SEM				2.42	2.02	14.74	44.59	0.60	155.3	0.00	1.76

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00345	F	4	3	30.6	10.9	89.0	61.3	5.3	456.6	0.0	42.6
89F00354	F	4	3	29.4	50.8	113.2	357.0	6.1	9602.8	0.0	47.2
89F00374	F	4	3	41.1	16.1	91.0	51.6	6.4	607.8	0.0	66.1
89F00380	F	4	3	12.5	11.1	93.5	169.6	4.4	1579.2	0.0	51.7
89F00387	F	4	3	21.5	11.8	79.1	181.1	5.2	2467.0	0.0	51.8
Mean				27.02	20.14	93.16	164.12	5.48	2942.7	0.00	51.88
Std Dev				10.70	17.27	12.46	123.24	0.79	3810.4	0.00	8.81
SEM				4.79	7.72	5.57	55.12	0.35	1704.0	0.00	3.94
89F00341	F	5	3	39.0	11.9	48.9	67.7	4.8	2609.1	0.0	56.6
89F00347	F	5	3	25.9	12.2	52.1	95.0	5.4	345.0	0.0	56.1
89F00360	F	5	3	19.6	38.0	103.9	37.3	6.4	432.6	0.0	32.1
89F00375	F	5	3	31.3	10.0	68.3	28.7	5.1	328.8	0.0	58.9
89F00394	F	5	3	18.1	17.7	86.3	265.4	5.4	1236.9	0.0	39.4
Mean				26.78	17.96	71.90	98.82	5.42	990.5	0.00	48.62
Std Dev				8.62	11.56	23.27	96.74	0.60	980.6	0.00	12.08
SEM				3.86	5.17	10.41	43.26	0.27	438.5	0.00	5.40
89F00343	F	6	3	24.2	8.2	75.2	47.0	7.5	369.3	0.0	47.0
89F00357	F	6	3	18.8	7.3	104.7	48.8	4.3	844.6	0.0	41.6
89F00362	F	6	3	26.5	12.4	46.9	89.8	2.8	821.9	0.0	25.1
89F00363	F	6	3	died							
89F00379	F	6	3	26.6	5.9	45.3	53.1	3.5	415.9	0.0	44.9
Mean				24.03	8.45	68.03	59.68	4.53	612.9	0.00	39.65
Std Dev				3.66	2.80	28.04	20.25	2.08	255.3	0.00	9.95
SEM				1.83	1.40	14.02	10.12	1.04	127.6	0.00	4.98

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	3	24.9	20.2	93.9	44.6	4.2	414.6	0.0	29.6
89F00353	F	7	3	14.6	21.1	80.9	119.0	5.3	213.9	0.0	33.7
89F00366	F	7	3	17.5	17.2	75.1	69.9	5.8	540.8	0.0	62.1
89F00372	F	7	3	31.5	21.0	76.3	51.2	8.5	499.3	0.0	35.1
89F00390	F	7	3	12.9	16.7	60.6	50.7	4.0	411.8	0.0	38.0
Mean				20.28	19.24	77.36	67.08	5.56	416.1	0.00	39.70
Std Dev				7.77	2.13	11.97	30.53	1.81	125.9	0.00	12.88
SEM				3.48	0.95	5.35	13.66	0.81	56.3	0.00	5.76
89F00346	F	8	3	33.4	28.0	83.7	71.9	4.7	532.8	0.0	24.4
89F00359	F	8	3	20.0	18.6	110.9	36.3	4.9	305.9	0.0	31.1
89F00365	F	8	3	18.8	22.2	118.5	38.0	5.7	472.4	0.0	27.3
89F00392	F	8	3	27.2	44.7	100.0	58.6	4.3	854.7	0.0	25.3
89F00393	F	8	3	13.5	14.7	94.6	74.8	4.1	214.4	0.0	27.0
Mean				22.58	25.64	101.54	55.92	4.74	476.0	0.00	27.02
Std Dev				7.78	11.73	13.64	18.20	0.62	247.0	0.00	2.58
SEM				3.48	5.24	6.10	8.14	0.28	110.4	0.00	1.15
89F00340	F	9	3	20.6	33.1	68.0	22.1	4.6	235.1	0.0	27.5
89F00349	F	9	3	26.9	25.8	66.4	62.5	6.4	300.6	0.0	36.4
89F00356	F	9	3	14.2	28.8	69.7	85.2	8.2	449.7	0.0	15.7
89F00367	F	9	3	13.3	26.2	87.1	201.0	6.4	873.5	0.0	20.4
89F00384	F	9	3	26.2	30.5	64.0	151.0	5.1	1152.9	0.0	20.8
Mean				20.24	28.88	71.04	104.36	6.14	602.3	0.00	24.16
Std Dev				6.42	3.05	9.22	71.42	1.40	395.6	0.00	8.03
SEM				2.87	1.36	4.12	31.94	0.63	176.9	0.00	3.59

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	3	99	0.2	6.6	4.8	2.6	155.4	17.1	1.4
89F00351	F	10	3	53	0.1	5.5	4.4	3.7	115.5	17.1	1.0
89F00364	F	10	3	44	0.1	6.0	3.9	1.9	100.5	16.1	1.1
89F00373	F	10	3	49	0.1	5.8	4.1	2.3	116.9	15.4	2.0
89F00381	F	10	3	63	0.1	5.7	4.4	3.3	127.0	12.1	1.4
Mean				61.6	0.12	5.92	4.32	2.76	123.06	15.56	1.38
Std Dev				22.0	0.04	0.42	0.34	0.73	20.40	2.06	0.39
SEM				9.9	0.02	0.19	0.15	0.33	9.13	0.92	0.17

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	3	42	0.2	5.1	3.5	2.2	116.9	16.6	1.1
89F00339	F	1	3	84	0.0	6.0	3.9	1.9	118.7	15.0	1.2
89F00352	F	1	3	102	0.1	5.8	4.2	2.6	149.9	18.4	1.3
89F00369	F	1	3	31	0.1	6.2	3.6	1.4	103.1	17.2	1.3
89F00377	F	1	3	31	0.1	6.2	3.3	1.2	114.8	14.2	1.0
Mean				58.0	0.10	5.86	3.70	1.86	120.68	16.28	1.18
Std Dev				32.9	0.07	0.46	0.35	0.57	17.43	1.69	0.13
SEM				14.7	0.03	0.20	0.16	0.26	7.80	0.76	0.06
89F00337	F	2	3	84	0.1	6.0	3.7	1.7	141.1	15.6	1.0
89F00358	F	2	3	37	0.1	6.9	3.3	0.9	129.0	14.1	1.2
89F00371	F	2	3	50	0.0	6.7	3.3	1.0	122.2	16.5	1.2
89F00389	F	2	3	36	0.1	6.8	3.8	1.3	110.0	15.3	1.0
89F00391	F	2	3	100	0.1	5.6	4.1	2.8	139.3	15.6	0.9
Mean				61.4	0.08	6.40	3.64	1.54	128.32	15.42	1.06
Std Dev				29.0	0.04	0.57	0.34	0.77	12.82	0.86	0.13
SEM				13.0	0.02	0.25	0.15	0.34	5.73	0.39	0.06
89F00348	F	3	3	94	0.0	6.1	3.8	1.6	134.0	13.9	0.9
89F00355	F	3	3	69	0.1	7.0	4.3	1.6	114.6	16.9	1.1
89F00368	F	3	3	199	0.1	7.3	3.4	0.8	133.1	20.3	1.5
89F00370	F	3	3	54	0.0	6.6	3.4	1.1	139.1	18.9	0.9
89F00383	F	3	3	32	0.0	7.4	3.9	1.1	119.3	16.1	1.2
Mean				89.6	0.04	6.88	3.76	1.24	128.02	17.22	1.12
Std Dev				65.2	0.05	0.54	0.38	0.35	10.49	2.48	0.25
SEM				29.2	0.02	0.24	0.17	0.16	4.69	1.11	0.11

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	3	75	0.0	6.9	4.7	2.1	119.3	14.5	1.1
89F00354	F	4	3	116	0.1	6.0	4.5	3.1	154.2	22.5	2.0
89F00374	F	4	3	127	0.1	6.8	4.3	1.8	101.3	20.3	1.4
89F00380	F	4	3	66	0.0	5.4	3.8	2.5	135.3	19.2	1.2
89F00387	F	4	3	107	0.2	6.1	4.4	2.6	144.7	15.4	1.4
Mean				98.2	0.08	6.24	4.34	2.42	130.96	18.38	1.42
Std Dev				26.5	0.08	0.62	0.34	0.50	21.00	3.36	0.35
SEM				11.8	0.04	0.28	0.15	0.22	9.39	1.50	0.16
89F00341	F	5	3	380	0.0	5.4	3.7	2.1	110.6	23.6	1.4
89F00347	F	5	3	77	0.1	6.3	4.5	2.5	141.6	15.8	1.0
89F00360	F	5	3	79	0.0	6.1	3.3	1.2	133.2	12.7	1.0
89F00375	F	5	3	55	0.0	5.6	3.9	2.4	121.2	15.9	1.0
89F00394	F	5	3	146	0.1	6.2	4.4	2.4	152.7	16.8	1.6
Mean				147.4	0.04	5.92	3.96	2.12	131.86	16.96	1.20
Std Dev				134.4	0.05	0.40	0.50	0.54	16.56	4.02	0.28
SEM				60.1	0.02	0.18	0.22	0.24	7.40	1.80	0.13
89F00343	F	6	3	87	0.2	6.4	4.5	2.4	122.5	14.7	1.1
89F00357	F	6	3	48	0.1	5.4	4.1	3.1	138.8	15.4	1.0
89F00362	F	6	3	75	0.2	5.4	3.9	2.8	131.1	20.0	0.5
89F00363	F	6	3	died							
89F00379	F	6	3	67	0.1	6.5	4.4	2.0	114.6	15.0	1.1
Mean				69.3	0.15	5.93	4.23	2.58	126.75	16.28	0.93
Std Dev				16.4	0.06	0.61	0.28	0.48	10.49	2.50	0.29
SEM				8.2	0.03	0.30	0.14	0.24	5.24	1.25	0.14

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	3	85	0.1	6.2	4.1	1.9	132.2	11.8	1.0
89F00353	F	7	3	69	0.1	5.5	4.0	2.6	126.1	19.7	1.0
89F00366	F	7	3	32	0.1	6.3	3.9	1.6	105.4	16.8	0.9
89F00372	F	7	3	85	0.0	6.0	3.9	1.8	119.6	16.2	0.8
89F00390	F	7	3	45	0.1	6.7	4.1	1.5	110.4	13.7	0.9
Mean				63.2	0.08	6.14	4.00	1.88	118.74	15.64	0.92
Std Dev				23.9	0.04	0.44	0.10	0.43	11.00	3.03	0.08
SEM				10.7	0.02	0.20	0.04	0.19	4.92	1.35	0.04
89F00346	F	8	3	42	0.1	6.4	3.8	1.4	133.6	16.1	1.0
89F00359	F	8	3	59	0.0	6.6	3.9	1.4	136.7	15.5	1.0
89F00365	F	8	3	33	0.1	6.6	3.4	1.0	112.5	15.0	1.0
89F00392	F	8	3	43	0.0	7.1	3.6	1.1	100.6	16.4	1.3
89F00393	F	8	3	81	0.0	6.9	3.8	1.2	130.6	16.5	1.0
Mean				51.6	0.04	6.72	3.70	1.22	122.80	15.90	1.06
Std Dev				18.9	0.05	0.28	0.20	0.18	15.57	0.64	0.13
SEM				8.5	0.02	0.12	0.09	0.08	6.96	0.28	0.06
89F00340	F	9	3	26	0.1	6.0	3.3	1.2	134.4	16.2	1.2
89F00349	F	9	3	86	0.1	6.9	3.5	1.1	139.4	14.6	1.0
89F00356	F	9	3	87	0.0	6.6	3.9	1.4	127.8	12.6	1.1
89F00367	F	9	3	40	0.1	7.0	3.3	0.9	112.9	16.3	1.1
89F00384	F	9	3	57	0.1	7.4	3.5	0.9	127.0	14.5	1.3
Mean				59.2	0.08	6.78	3.50	1.10	128.30	14.84	1.14
Std Dev				27.2	0.04	0.52	0.24	0.21	9.99	1.51	0.11
SEM				12.2	0.02	0.23	0.11	0.09	4.47	0.68	0.05

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	3	14.1	4.0	152.1	119	5.1	238.5	2.31
89F00351	F	10	3	14.1	4.5	146.5	111	4.3	923.4	1.70
89F00364	F	10	3	14.4	3.2	146.8	111	4.0	190.2	2.08
89F00373	F	10	3	14.4	3.4	148.4	114	3.6	519.8	1.81
89F00381	F	10	3	12.9	4.9	147.1	117	4.4	483.3	2.13
Mean				13.98	4.00	148.18	114.4	4.28	471.04	2.006
Std Dev				0.62	0.72	2.31	3.6	0.55	291.59	0.248
SEM				0.28	0.32	1.03	1.6	0.25	130.40	0.111

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	3	13.5	4.7	145.7	114	3.8	177.3	1.93
89F00339	F	1	3	14.3	4.4	145.9	110	4.4	558.4	1.96
89F00352	F	1	3	14.7	4.7	144.0	107	4.0	266.4	1.62
89F00369	F	1	3	12.6	4.5	145.7	114	4.1	208.0	1.52
89F00377	F	1	3	12.4	4.2	146.5	114	3.7	483.0	1.78
Mean				13.50	4.50	145.56	111.8	4.00	338.62	1.762
Std Dev				1.01	0.21	0.93	3.2	0.27	171.36	0.191
SEM				0.45	0.09	0.42	1.4	0.12	76.63	0.086
89F00337	F	2	3	13.4	4.6	148.2	109	3.9	221.2	1.68
89F00358	F	2	3	12.8	3.4	143.0	117	4.2	463.2	1.50
89F00371	F	2	3	12.5	3.4	146.0	113	3.9	203.5	1.61
89F00389	F	2	3	12.3	3.8	146.4	115	3.7	494.3	1.81
89F00391	F	2	3	14.6	4.8	143.4	116	5.2	430.3	2.13
Mean				13.12	4.00	145.40	114.0	4.18	362.50	1.746
Std Dev				0.93	0.66	2.18	3.2	0.60	139.06	0.242
SEM				0.41	0.30	0.97	1.4	0.27	62.19	0.108
89F00348	F	3	3	13.4	4.2	146.7	114	3.9	412.6	1.73
89F00355	F	3	3	13.1	4.3	146.1	112	4.3	372.6	1.60
89F00368	F	3	3	14.3	4.7	149.2	107	4.2	215.1	1.84
89F00370	F	3	3	12.6	4.9	145.3	113	4.1	196.7	1.83
89F00383	F	3	3	12.7	4.4	145.3	114	5.1	431.3	1.56
Mean				13.22	4.50	146.52	112.0	4.32	325.66	1.712
Std Dev				0.68	0.29	1.61	2.9	0.46	111.55	0.129
SEM				0.31	0.13	0.72	1.3	0.21	49.89	0.058

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	3	15.1	3.8	153.6	117	4.9	383.6	1.79
89F00354	F	4	3	13.8	6.2	143.8	115	4.4	356.5	2.12
89F00374	F	4	3	15.6	3.8	150.4	109	3.6	186.0	2.21
89F00380	F	4	3	13.9	4.2	145.7	112	3.9	208.9	1.87
89F00387	F	4	3	12.9	4.5	144.6	114	4.0	220.3	2.05
Mean				14.26	4.50	147.62	113.4	4.16	271.06	2.008
Std Dev				1.08	0.99	4.21	3.0	0.50	91.71	0.174
SEM				0.48	0.44	1.88	1.4	0.22	41.01	0.078
89F00341	F	5	3	13.3	4.6	153.1	119	4.5	889.8	1.90
89F00347	F	5	3	14.3	4.9	146.3	112	4.5	520.0	1.91
89F00360	F	5	3	12.3	3.4	144.6	117	4.6	27.5	1.64
89F00375	F	5	3	13.8	4.4	146.8	110	4.0	505.5	1.52
89F00394	F	5	3	13.2	3.3	146.9	114	4.2	201.7	1.72
Mean				13.38	4.12	147.54	114.4	4.36	428.90	1.738
Std Dev				0.75	0.73	3.24	3.6	0.25	331.41	0.168
SEM				0.33	0.32	1.45	1.6	0.11	148.21	0.075
89F00343	F	6	3	14.6	4.4	148.4	109	4.1	525.4	1.67
89F00357	F	6	3	14.0	4.7	145.9	118	4.5	367.7	2.05
89F00362	F	6	3	14.4	3.7	146.9	121	4.7	401.5	1.72
89F00363	F	6	3	died						
89F00379	F	6	3	14.4	4.3	149.0	114	4.2	491.9	1.82
Mean				14.35	4.28	147.55	115.5	4.38	446.63	1.815
Std Dev				0.25	0.42	1.41	5.2	0.28	74.21	0.169
SEM				0.13	0.21	0.71	2.6	0.14	37.10	0.084

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	3	14.3	4.0	149.0	112	3.7	916.5	1.52
89F00353	F	7	3	13.7	3.9	145.8	115	4.7	370.9	1.40
89F00366	F	7	3	13.8	3.3	146.5	111	4.1	357.0	1.95
89F00372	F	7	3	13.3	4.1	147.8	113	4.0	361.3	1.63
89F00390	F	7	3	13.2	3.4	145.7	112	4.0	489.4	1.69
Mean				13.66	3.74	147.16	112.6	4.10	499.02	1.638
Std Dev				0.44	0.36	1.25	1.5	0.37	239.76	0.207
SEM				0.20	0.16	0.56	0.7	0.16	107.22	0.092
89F00346	F	8	3	13.4	3.9	146.1	111	4.0	268.9	1.75
89F00359	F	8	3	14.2	4.7	146.1	110	3.9	449.7	2.03
89F00365	F	8	3	13.0	4.4	145.2	108	4.1	390.9	1.75
89F00392	F	8	3	11.7	3.5	147.5	117	3.9	441.1	1.59
89F00393	F	8	3	13.4	4.6	148.0	115	4.5	319.2	1.87
Mean				13.14	4.22	146.58	112.2	4.08	373.96	1.798
Std Dev				0.92	0.51	1.14	3.7	0.25	78.37	0.163
SEM				0.41	0.23	0.51	1.7	0.11	35.05	0.073
89F00340	F	9	3	12.7	4.0	146.9	115	4.1	415.1	1.64
89F00349	F	9	3	13.0	4.5	145.7	113	4.4	401.4	1.66
89F00356	F	9	3	13.3	3.9	145.0	113	4.3	356.5	1.29
89F00367	F	9	3	13.6	4.3	146.1	117	4.3	163.8	1.65
89F00384	F	9	3	13.2	3.2	144.7	109	3.8	107.1	1.55
Mean				13.16	3.98	145.68	113.4	4.18	288.78	1.558
Std Dev				0.34	0.50	0.88	3.0	0.24	143.05	0.156
SEM				0.15	0.22	0.39	1.3	0.11	63.97	0.070

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	7	19.8	10.2	75.6	34.0	7.8	437.8	0.0	34.1
89F00351	F	10	7	27.7	13.2	61.1	259.6	5.4	1011.3	0.0	40.8
89F00364	F	10	7	24.0	9.5	38.4	43.0	6.8	325.7	0.0	38.6
89F00373	F	10	7	41.7	12.8	57.1	53.1	4.6	2269.3	0.0	54.6
89F00381	F	10	7	20.8	7.2	65.0	40.9	5.1	471.0	0.0	32.0
Mean				26.80	10.58	59.44	86.12	5.94	903.0	0.00	40.02
Std Dev				8.88	2.48	13.63	97.22	1.32	808.5	0.00	8.87
SEM				3.97	1.11	6.09	43.48	0.59	361.6	0.00	3.97

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	7	16.7	16.3	109.1	91.4	3.6	793.3	0.0	26.2
89F00339	F	1	7	32.0	25.4	121.6	157.6	4.8	1026.4	0.0	59.1
89F00352	F	1	7	12.1	17.5	112.2	161.2	6.7	760.4	0.0	35.6
89F00369	F	1	7	21.4	22.6	73.4	52.4	6.5	547.6	0.0	46.6
89F00377	F	1	7	16.9	13.5	199.3	60.8	8.2	368.7	0.0	36.0
Mean				19.82	19.16	123.12	104.68	5.96	699.3	0.00	40.70
Std Dev				7.56	4.77	46.35	52.03	1.79	250.9	0.00	12.57
SEM				3.38	2.13	20.73	23.27	0.80	112.2	0.00	5.62
89F00337	F	2	7	24.1	20.8	229.2	30.6	6.2	199.9	0.0	47.8
89F00358	F	2	7	18.8	17.1	35.1	42.2	2.4	144.6	0.0	42.4
89F00371	F	2	7	11.5	28.3	57.9	138.7	7.2	554.1	0.0	24.7
89F00389	F	2	7	13.9	21.8	44.9	43.0	6.2	366.1	0.0	37.6
89F00391	F	2	7	18.8	19.7	104.6	36.4	5.0	479.6	0.0	30.9
Mean				17.42	21.54	94.34	58.18	5.40	348.8	0.00	36.68
Std Dev				4.90	4.17	79.96	45.29	1.85	175.6	0.00	9.14
SEM				2.19	1.86	35.76	20.25	0.83	78.6	0.00	4.09
89F00348	F	3	7	29.7	27.3	96.4	30.8	5.2	216.8	0.0	41.7
89F00355	F	3	7	23.1	27.0	58.7	25.6	5.9	228.9	0.0	20.7
89F00368	F	3	7	32.2	47.8	52.9	47.5	11.7	365.9	0.0	32.8
89F00370	F	3	7	28.0	22.4	26.9	169.1	8.2	650.1	0.0	36.2
89F00383	F	3	7	25.4	25.4	85.8	36.0	6.5	235.4	0.0	37.7
Mean				27.68	29.98	64.14	61.80	7.50	339.4	0.00	33.82
Std Dev				3.56	10.15	27.63	60.53	2.60	183.9	0.00	8.00
SEM				1.59	4.54	12.35	27.07	1.16	82.2	0.00	3.58

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00345	F	4	7	25.4	11.4	82.0	92.6	5.1	484.2	0.0	53.2
89F00354	F	4	7	25.4	9.2	81.2	82.4	3.2	1038.4	0.0	46.1
89F00374	F	4	7	31.6	14.7	96.0	59.3	4.5	733.6	0.0	53.4
89F00380	F	4	7	16.8	10.1	87.8	110.1	6.6	1035.7	0.0	52.3
89F00387	F	4	7	23.3	16.4	85.1	77.4	5.9	840.1	0.0	49.5
Mean				24.50	12.36	86.42	84.36	5.06	826.4	0.00	50.90
Std Dev				5.31	3.07	5.96	18.78	1.31	231.7	0.00	3.10
SEM				2.37	1.37	2.67	8.40	0.59	103.6	0.00	1.39
89F00341	F	5	7	31.8	13.5	41.5	213.3	4.4	830.2	0.0	76.6
89F00347	F	5	7	31.9	11.3	47.9	55.0	5.1	386.2	0.0	51.4
89F00360	F	5	7	7.5	7.0	89.9	71.2	3.9	628.2	0.0	33.8
89F00375	F	5	7	24.1	8.2	56.0	55.9	3.8	431.5	0.0	51.7
89F00394	F	5	7	21.2	8.5	61.8	58.3	6.2	356.8	0.0	54.5
Mean				23.30	9.70	59.42	90.74	4.68	526.6	0.00	53.60
Std Dev				10.01	2.64	18.71	68.82	0.99	200.1	0.00	15.25
SEM				4.48	1.18	8.37	30.78	0.44	89.5	0.00	6.82
89F00343	F	6	7	22.9	8.9	62.2	54.9	4.3	295.9	0.0	66.0
89F00357	F	6	7	20.1	10.9	99.2	65.8	5.4	701.9	0.0	44.9
89F00362	F	6	7	30.6	14.2	40.5	54.4	2.3	2162.9	0.0	35.4
89F00363	F	6	7	died							
89F00379	F	6	7	29.0	14.6	53.0	97.7	6.4	915.3	0.0	57.2
Mean				25.65	12.15	63.73	68.20	4.60	1019.0	0.00	50.88
Std Dev				4.97	2.73	25.27	20.36	1.76	804.7	0.00	13.47
SEM				2.48	1.36	12.63	10.18	0.88	402.4	0.00	6.73

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	7	22.0	16.7	136.0	33.1	4.3	315.8	0.0	33.3
89F00353	F	7	7	13.4	19.9	88.5	46.0	6.0	205.8	0.0	31.2
89F00366	F	7	7	16.4	16.2	72.0	34.8	6.8	346.0	0.0	49.2
89F00372	F	7	7	18.4	18.1	57.0	94.4	6.0	441.9	0.0	27.0
89F00390	F	7	7	11.5	19.4	62.9	43.2	6.5	247.2	0.0	30.2
Mean				16.34	18.06	83.28	50.30	5.92	311.4	0.00	34.18
Std Dev				4.13	1.62	31.78	25.25	0.97	91.5	0.00	8.70
SEM				1.85	0.72	14.21	11.29	0.43	40.9	0.00	3.89
89F00346	F	8	7	25.3	25.7	83.2	51.3	5.2	569.1	0.0	21.5
89F00359	F	8	7	30.5	25.9	87.3	60.0	4.7	403.5	0.0	21.4
89F00365	F	8	7	17.7	21.5	108.1	55.9	5.2	526.5	0.0	20.6
89F00392	F	8	7	28.1	59.1	72.6	93.7	4.2	838.5	0.0	31.5
89F00393	F	8	7	17.3	18.6	83.2	107.4	3.6	359.4	0.0	20.5
Mean				23.78	30.16	86.88	73.66	4.58	539.4	0.00	23.10
Std Dev				6.02	16.46	13.05	25.21	0.69	188.0	0.00	4.72
SEM				2.69	7.36	5.84	11.27	0.31	84.1	0.00	2.11
89F00340	F	9	7	18.1	27.4	60.4	25.9	4.1	175.6	0.0	21.0
89F00349	F	9	7	19.0	28.6	60.7	25.2	6.2	285.1	0.0	28.1
89F00356	F	9	7	10.2	23.8	69.6	53.5	6.0	306.4	0.0	10.6
89F00367	F	9	7	16.7	33.3	86.9	285.2	6.9	1343.4	0.0	15.0
89F00384	F	9	7	21.4	24.8	53.0	91.5	5.8	525.4	0.0	12.3
Mean				17.08	27.58	66.12	96.26	5.80	527.2	0.00	17.40
Std Dev				4.21	3.74	13.02	109.03	1.04	473.6	0.00	7.17
SEM				1.88	1.67	5.82	48.76	0.46	211.8	0.00	3.21

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	7	56	0.1	7.0	4.5	1.8	118.8	18.6	1.3
89F00351	F	10	7	61	0.1	5.8	4.6	4.0	110.4	20.8	1.1
89F00364	F	10	7	35	0.1	5.8	4.1	2.5	103.6	17.7	1.2
89F00373	F	10	7	98	0.0	5.9	4.5	3.2	110.8	12.8	2.9
89F00381	F	10	7	48	0.1	5.2	4.3	4.7	120.4	13.8	1.4
Mean				59.6	0.08	5.94	4.40	3.24	112.80	16.74	1.58
Std Dev				23.6	0.04	0.65	0.20	1.15	6.86	3.36	0.75
SEM				10.6	0.02	0.29	0.09	0.52	3.07	1.50	0.33

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	7	39	0.1	5.9	3.6	1.5	100.8	21.3	0.9
89F00339	F	1	7	96	0.1	6.6	4.2	1.7	118.5	18.7	1.2
89F00352	F	1	7	50	0.1	7.3	4.2	1.3	175.4	25.6	1.3
89F00369	F	1	7	73	0.0	5.7	3.3	1.4	135.6	15.8	1.7
89F00377	F	1	7	61	0.1	5.5	3.5	1.8	106.0	14.8	1.0
Mean				63.8	0.08	6.20	3.76	1.54	127.26	19.24	1.22
Std Dev				22.0	0.04	0.74	0.42	0.21	30.07	4.37	0.31
SEM				9.8	0.02	0.33	0.19	0.09	13.45	1.96	0.14
89F00337	F	2	7	68	0.0	7.3	3.8	1.1	123.1	22.4	1.0
89F00358	F	2	7	33	0.0	8.4	3.3	0.6	116.1	17.0	1.4
89F00371	F	2	7	34	0.0	7.1	3.2	0.8	135.8	13.3	1.4
89F00389	F	2	7	41	0.1	5.8	3.7	1.8	116.2	12.2	1.0
89F00391	F	2	7	59	0.0	7.5	3.5	0.9	105.7	15.7	1.1
Mean				47.0	0.02	7.22	3.50	1.04	119.38	16.12	1.18
Std Dev				15.7	0.04	0.94	0.25	0.46	11.08	3.99	0.20
SEM				7.0	0.02	0.42	0.11	0.21	4.96	1.78	0.09
89F00348	F	3	7	63	0.0	7.3	3.6	1.0	130.9	19.6	1.0
89F00355	F	3	7	64	0.0	8.3	3.4	0.7	119.4	12.2	1.6
89F00368	F	3	7	118	0.0	7.7	3.4	0.8	116.1	19.1	1.5
89F00370	F	3	7	37	0.0	7.2	3.1	0.8	147.7	19.4	1.2
89F00383	F	3	7	47	0.0	7.4	3.2	0.7	112.4	18.4	1.4
Mean				65.8	0.00	7.58	3.34	0.80	125.30	17.74	1.34
Std Dev				31.3	0.00	0.44	0.19	0.12	14.31	3.13	0.24
SEM				14.0	0.00	0.20	0.09	0.05	6.40	1.40	0.11

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	7	62	0.2	6.5	4.9	3.0	97.5	15.1	1.1
89F00354	F	4	7	192	0.1	6.3	4.7	3.1	118.8	16.3	0.9
89F00374	F	4	7	141	0.1	6.3	4.6	2.7	105.2	17.8	1.4
89F00380	F	4	7	81	0.2	5.1	4.3	6.0	110.7	19.1	1.1
89F00387	F	4	7	149	0.2	5.8	4.7	4.0	117.1	19.0	1.6
Mean				125.0	0.16	6.00	4.64	3.76	109.86	17.46	1.22
Std Dev				53.0	0.05	0.57	0.22	1.34	8.77	1.74	0.28
SEM				23.7	0.02	0.25	0.10	0.60	3.92	0.78	0.12
89F00341	F	5	7	275	0.1	6.0	4.2	2.4	159.0	18.5	1.2
89F00347	F	5	7	65	0.1	6.1	4.1	2.0	126.9	16.2	1.2
89F00360	F	5	7	52	0.1	6.1	4.4	2.6	107.9	13.2	1.0
89F00375	F	5	7	62	0.1	4.8	4.0	5.0	113.5	14.5	0.9
89F00394	F	5	7	100	0.1	5.8	4.4	3.0	141.0	14.5	1.3
Mean				110.8	0.10	5.76	4.22	3.00	129.66	15.38	1.12
Std Dev				93.6	0.00	0.55	0.18	1.17	20.81	2.04	0.16
SEM				41.8	0.00	0.25	0.08	0.53	9.31	0.91	0.07
89F00343	F	6	7	105	0.1	6.7	4.7	2.3	135.2	16.0	1.0
89F00357	F	6	7	49	0.0	5.7	4.3	3.0	128.3	10.7	1.1
89F00362	F	6	7	131	0.1	5.9	3.9	2.0	98.5	14.1	2.1
89F00363	F	6	7	died							
89F00379	F	6	7	81	0.0	5.5	4.3	3.5	136.1	14.0	1.7
Mean				91.5	0.05	5.95	4.30	2.70	124.53	13.70	1.48
Std Dev				34.9	0.06	0.53	0.33	0.68	17.70	2.20	0.52
SEM				17.5	0.03	0.26	0.16	0.34	8.85	1.10	0.26

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	7	102	0.2	7.5	4.5	1.5	111.2	14.6	1.2
89F00353	F	7	7	63	0.0	7.5	4.1	1.2	112.7	21.2	1.3
89F00366	F	7	7	35	0.0	6.4	3.8	1.4	119.0	15.2	1.0
89F00372	F	7	7	62	0.1	5.3	3.7	2.2	123.3	14.6	0.6
89F00390	F	7	7	36	0.1	5.9	3.6	1.6	115.5	10.7	1.1
Mean				59.6	0.08	6.52	3.94	1.58	116.34	15.26	1.04
Std Dev				27.3	0.08	0.98	0.36	0.38	4.90	3.77	0.27
SEM				12.2	0.04	0.44	0.16	0.17	2.19	1.69	0.12
89F00346	F	8	7	34	0.0	7.6	3.7	0.9	125.3	17.6	1.1
89F00359	F	8	7	44	0.1	7.4	3.5	0.9	95.6	20.1	0.9
89F00365	F	8	7	54	0.0	6.6	3.3	1.0	108.2	17.1	0.9
89F00392	F	8	7	21	0.1	6.9	2.8	0.7	114.1	11.8	1.0
89F00393	F	8	7	79	0.1	7.4	3.8	1.1	129.7	18.8	1.0
Mean				46.4	0.06	7.18	3.42	0.92	114.58	17.08	0.98
Std Dev				21.9	0.05	0.41	0.40	0.15	13.64	3.17	0.08
SEM				9.8	0.02	0.19	0.18	0.07	6.10	1.42	0.04
89F00340	F	9	7	40	0.0	8.5	3.2	0.6	124.5	20.9	1.2
89F00349	F	9	7	69	0.0	8.9	3.3	0.6	120.0	19.2	1.1
89F00356	F	9	7	50	0.0	8.3	3.7	0.8	125.7	13.2	1.1
89F00367	F	9	7	34	0.1	7.3	3.3	0.8	136.9	20.0	1.1
89F00384	F	9	7	55	0.0	7.5	3.5	0.9	128.3	14.4	1.4
Mean				49.6	0.02	8.10	3.40	0.74	127.08	17.54	1.18
Std Dev				13.6	0.04	0.68	0.20	0.13	6.26	3.49	0.13
SEM				6.1	0.02	0.30	0.09	0.06	2.80	1.56	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	7	14.9	4.1	150.2	118	3.9	502.4	2.28
89F00351	F	10	7	14.9	4.2	145.8	109	3.7	143.8	1.99
89F00364	F	10	7	13.4	3.9	148.2	109	3.8	318.2	1.98
89F00373	F	10	7	14.3	3.8	149.2	110	4.0	580.6	1.86
89F00381	F	10	7	13.1	5.4	146.3	115	4.0	352.7	2.25
Mean				14.12	4.28	147.94	112.2	3.88	379.54	2.072
Std Dev				0.84	0.65	1.87	4.1	0.13	169.98	0.184
SEM				0.37	0.29	0.84	1.8	0.06	76.02	0.082

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	7	13.6	4.7	144.8	117	3.9	128.7	1.70
89F00339	F	1	7	14.7	4.3	145.3	110	3.9	129.0	1.95
89F00352	F	1	7	13.9	5.4	143.4	110	4.4	120.7	1.51
89F00369	F	1	7	12.1	4.0	145.0	108	4.1	140.1	1.36
89F00377	F	1	7	12.3	4.1	145.9	114	4.0	190.0	1.61
Mean				13.32	4.50	144.88	111.8	4.06	141.70	1.626
Std Dev				1.10	0.57	0.93	3.6	0.21	27.87	0.221
SEM				0.49	0.25	0.41	1.6	0.09	12.46	0.099
89F00337	F	2	7	13.8	4.9	145.0	111	3.4	211.2	2.03
89F00358	F	2	7	12.5	3.4	143.8	109	4.7	193.0	1.38
89F00371	F	2	7	11.2	3.7	144.6	112	4.1	208.5	1.24
89F00389	F	2	7	13.0	4.3	144.8	112	4.2	197.7	1.61
89F00391	F	2	7	12.7	3.8	144.6	107	4.1	208.4	1.75
Mean				12.64	4.02	144.56	110.2	4.10	203.76	1.602
Std Dev				0.94	0.59	0.46	2.2	0.46	7.93	0.310
SEM				0.42	0.26	0.20	1.0	0.21	3.55	0.139
89F00348	F	3	7	13.2	4.5	146.4	113	4.2	193.8	1.74
89F00355	F	3	7	12.8	3.4	145.4	114	4.6	187.7	1.30
89F00368	F	3	7	12.8	4.7	146.2	105	4.3	140.2	1.45
89F00370	F	3	7	11.5	5.2	145.0	106	3.8	179.8	1.82
89F00383	F	3	7	11.5	4.7	144.5	113	4.0	180.1	1.36
Mean				12.36	4.50	145.50	110.2	4.18	176.32	1.534
Std Dev				0.80	0.67	0.80	4.3	0.30	21.01	0.233
SEM				0.36	0.30	0.36	1.9	0.14	9.40	0.104

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	7	15.8	3.8	150.1	118	4.3	132.4	2.08
89F00354	F	4	7	14.2	4.5	146.3	108	3.9	262.4	1.87
89F00374	F	4	7	14.5	4.4	150.2	110	3.8	436.8	1.92
89F00380	F	4	7	14.0	4.3	147.5	113	4.3	209.7	1.84
89F00387	F	4	7	15.0	4.6	147.5	111	4.7	295.0	1.97
Mean				14.70	4.32	148.32	112.0	4.20	267.26	1.936
Std Dev				0.72	0.31	1.74	3.8	0.36	112.96	0.094
SEM				0.32	0.14	0.78	1.7	0.16	50.52	0.042
89F00341	F	5	7	15.7	5.1	146.9	109	4.6	200.3	1.84
89F00347	F	5	7	15.2	4.0	148.4	115	4.5	286.6	2.16
89F00360	F	5	7	14.4	3.8	146.7	106	4.4	169.2	1.93
89F00375	F	5	7	13.3	5.5	145.3	109	4.1	255.1	1.58
89F00394	F	5	7	14.3	4.1	145.4	110	3.9	126.7	1.83
Mean				14.58	4.50	146.54	109.8	4.30	207.58	1.868
Std Dev				0.92	0.75	1.27	3.3	0.29	64.36	0.209
SEM				0.41	0.34	0.57	1.5	0.13	28.78	0.093
89F00343	F	6	7	10.5	5.0	147.0	110	4.3	536.6	1.81
89F00357	F	6	7	15.0	4.6	145.3	103	3.8	538.3	2.07
89F00362	F	6	7	14.3	3.3	147.6	106	4.6	284.8	1.87
89F00363	F	6	7	died						
89F00379	F	6	7	12.2	4.4	146.1	109	3.5	162.3	1.29
Mean				13.00	4.33	146.50	107.0	4.05	380.50	1.760
Std Dev				2.05	0.73	1.01	3.2	0.49	188.01	0.332
SEM				1.02	0.36	0.50	1.6	0.25	94.00	0.166

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL .	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	7	15.8	4.0	147.6	112	4.4	411.9	1.94
89F00353	F	7	7	13.4	4.1	146.0	111	4.0	346.6	1.76
89F00366	F	7	7	12.4	4.4	145.3	109	3.7	314.9	1.90
89F00372	F	7	7	11.5	3.7	144.5	111	4.0	190.0	1.41
89F00390	F	7	7	12.4	3.6	146.2	113	3.6	169.7	1.71
Mean				13.10	3.96	145.92	111.2	3.94	286.62	1.744
Std Dev				1.65	0.32	1.15	1.5	0.31	103.80	0.210
SEM				0.74	0.14	0.52	0.7	0.14	46.42	0.094
89F00346	F	8	7	13.5	4.0	144.5	107	3.7	200.1	2.14
89F00359	F	8	7	12.5	3.5	147.8	110	3.3	157.7	1.58
89F00365	F	8	7	12.8	4.0	145.7	108	4.6	311.4	1.61
89F00392	F	8	7	11.1	4.3	145.4	116	3.6	80.0	1.35
89F00393	F	8	7	13.3	5.0	146.0	108	4.6	111.8	1.75
Mean				12.64	4.16	145.88	109.8	3.96	172.20	1.686
Std Dev				0.95	0.55	1.21	3.6	0.60	90.16	0.292
SEM				0.42	0.25	0.54	1.6	0.27	40.32	0.130
89F00340	F	9	7	14.2	4.6	146.7	116	4.2	125.9	1.66
89F00349	F	9	7	13.4	4.6	145.1	111	4.5	159.1	1.60
89F00356	F	9	7	13.1	3.7	144.0	112	3.7	192.8	1.58
89F00367	F	9	7	12.0	5.5	144.3	109	4.3	197.0	1.59
89F00384	F	9	7	13.7	4.2	147.0	110	4.8	88.4	1.64
Mean				13.28	4.52	145.42	111.6	4.30	152.64	1.614
Std Dev				0.82	0.66	1.37	2.7	0.41	46.00	0.034
SEM				0.37	0.30	0.61	1.2	0.18	20.57	0.015

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00350	F	10	14	15.6	12.5	66.1	154.3	6.2	799.3	0.0	30.1
89F00351	F	10	14	30.6	12.0	55.0	171.1	3.9	854.6	0.0	34.3
89F00364	F	10	14	43.7	24.3	37.5	149.6	5.2	1145.8	0.0	40.4
89F00373	F	10	14	28.8	23.1	41.7	502.6	3.2	6415.2	0.0	74.2
89F00381	F	10	14	34.0	21.4	69.4	347.6	2.6	1298.6	0.0	43.6
Mean				30.54	18.66	53.94	265.04	4.22	2102.7	0.00	44.52
Std Dev				10.14	5.94	14.21	156.26	1.47	2419.5	0.00	17.40
SEM				4.54	2.66	6.36	69.88	0.66	1082.1	0.00	7.78

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00338	F	1	14	20.0	17.3	121.3	38.9	3.7	284.6	0.0	20.5
89F00339	F	1	14	23.7	19.0	114.5	74.1	3.7	1051.0	0.0	33.5
89F00352	F	1	14	12.7	21.4	105.5	202.6	3.2	652.3	0.0	27.1
89F00369	F	1	14	19.6	17.6	81.0	100.5	4.1	397.2	0.0	34.5
89F00377	F	1	14	16.0	21.2	186.1	69.6	6.6	288.0	0.0	26.7
Mean				18.40	19.30	121.68	97.14	4.26	534.6	0.00	28.46
Std Dev				4.19	1.94	39.11	62.88	1.35	325.1	0.00	5.71
SEM				1.88	0.87	17.49	28.12	0.60	145.4	0.00	2.55
89F00337	F	2	14	19.1	17.1	205.1	55.1	3.1	226.5	0.0	31.1
89F00358	F	2	14	20.3	20.6	37.1	22.0	3.2	182.0	0.0	25.9
89F00371	F	2	14	38.5	91.2	29.9	128.7	3.2	500.5	0.0	33.4
89F00389	F	2	14	15.0	58.1	24.6	738.2	3.2	5854.8	0.0	35.9
89F00391	F	2	14	16.1	20.0	124.2	11.8	7.7	552.2	0.0	20.7
Mean				21.80	41.40	84.18	191.16	4.08	1463.2	0.00	29.40
Std Dev				9.58	32.56	78.96	309.21	2.02	2460.4	0.00	6.10
SEM				4.28	14.56	35.31	138.28	0.91	1100.3	0.00	2.73
89F00348	F	3	14	22.1	22.4	112.8	31.7	5.0	254.1	0.0	25.2
89F00355	F	3	14	12.6	24.8	46.4	101.6	3.0	460.0	0.0	14.7
89F00368	F	3	14	28.9	27.0	37.6	87.2	5.4	413.3	0.0	23.8
89F00370	F	3	14	35.5	38.3	15.7	298.1	1.3	776.1	0.0	33.8
89F00383	F	3	14	28.7	20.6	41.8	40.2	4.6	106.9	0.0	41.0
Mean				25.56	26.62	50.86	111.76	3.86	402.1	0.00	27.70
Std Dev				8.66	6.96	36.57	108.35	1.70	251.2	0.00	10.06
SEM				3.87	3.11	16.36	48.46	0.76	112.3	0.00	4.50

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00345	F	4	14	19.3	9.3	75.2	97.6	5.0	507.8	0.0	34.5
89F00354	F	4	14	21.4	20.7	89.6	149.7	3.0	2984.3	0.0	39.4
89F00374	F	4	14	38.0	14.7	88.2	75.1	5.2	384.6	0.0	58.9
89F00380	F	4	14	19.6	15.3	70.2	201.9	6.7	1121.0	0.0	71.9
89F00387	F	4	14	23.1	14.6	43.7	158.9	7.1	1309.9	0.0	89.0
Mean				24.28	14.92	73.38	136.64	5.40	1261.5	0.00	58.74
Std Dev				7.82	4.04	18.55	50.59	1.62	1040.1	0.00	22.64
SEM				3.50	1.81	8.30	22.62	0.73	465.1	0.00	10.13
89F00341	F	5	14	14.1	12.4	45.1	244.4	3.9	1926.5	0.0	60.8
89F00347	F	5	14	24.0	11.0	45.7	54.3	4.9	310.4	0.0	38.0
89F00360	F	5	14	13.4	9.4	77.1	63.4	1.1	1474.1	0.0	37.7
89F00375	F	5	14	23.6	9.1	44.1	82.1	5.6	365.1	0.0	85.5
89F00394	F	5	14	31.8	19.8	97.3	293.9	9.7	1335.0	0.0	62.8
Mean				21.38	12.34	61.86	147.62	5.04	1082.2	0.00	56.96
Std Dev				7.70	4.38	24.22	112.76	3.12	714.2	0.00	19.96
SEM				3.44	1.96	10.83	50.43	1.39	319.4	0.00	8.93
89F00343	F	6	14	18.0	7.2	56.8	72.8	4.2	340.8	0.0	45.3
89F00357	F	6	14	18.9	9.3	82.2	78.4	3.9	876.1	0.0	39.7
89F00362	F	6	14	24.7	7.5	64.4	58.7	3.7	702.2	0.0	29.9
89F00363	F	6	14	died							
89F00379	F	6	14	24.4	30.8	35.9	134.1	6.5	829.2	0.0	50.4
Mean				21.50	13.70	59.83	86.00	4.58	687.1	0.00	41.33
Std Dev				3.54	11.44	19.18	33.12	1.30	242.3	0.00	8.78
SEM				1.77	5.72	9.59	16.56	0.65	121.1	0.00	4.39

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	ALT	AST	ALK	LDH	GGT	CK	BILI	CHOL
89F00344	F	7	14	15.4	15.0	114.2	39.9	3.0	216.3	0.0	15.1
89F00353	F	7	14	15.2	25.0	84.4	47.2	3.7	204.5	0.0	21.6
89F00366	F	7	14	22.3	23.2	40.6	68.5	3.2	554.5	0.0	60.5
89F00372	F	7	14	25.7	29.0	55.0	238.4	4.8	1166.4	0.0	28.8
89F00390	F	7	14	11.8	18.6	53.6	29.0	5.3	141.9	0.0	19.0
Mean				18.08	22.16	69.56	84.60	4.00	456.7	0.00	29.00
Std Dev				5.72	5.47	29.66	87.18	1.01	428.3	0.00	18.30
SEM				2.56	2.45	13.26	38.99	0.45	191.5	0.00	8.19
89F00346	F	8	14	20.8	25.1	81.5	75.7	4.5	515.7	0.0	9.9
89F00359	F	8	14	16.1	26.5	92.3	162.2	4.1	489.0	0.0	19.8
89F00365	F	8	14	20.5	28.1	84.7	235.6	6.5	891.4	0.0	21.4
89F00392	F	8	14	41.2	87.1	79.7	31.3	6.6	547.7	0.0	30.5
89F00393	F	8	14	15.1	17.6	91.9	35.5	6.7	180.2	0.0	12.1
Mean				22.74	36.88	86.02	108.06	5.68	525.4	0.00	18.74
Std Dev				10.63	28.36	5.83	88.60	1.27	253.6	0.00	8.20
SEM				4.75	12.68	2.61	39.62	0.57	113.4	0.00	3.67
89F00340	F	9	14	14.9	24.1	68.2	32.4	3.2	172.3	0.0	11.5
89F00349	F	9	14	14.1	25.1	50.6	34.3	4.5	302.8	0.0	15.3
89F00356	F	9	14	8.5	20.8	62.0	35.3	4.2	247.5	0.0	6.7
89F00367	[illegible]	9	14	16.3	29.7	83.7	207.7	4.8	883.0	0.0	12.7
89F00384	[illegible]	9	14	27.5	30.7	29.2	154.7	7.2	1172.5	0.0	25.5
Mean				16.26	26.08	58.74	92.88	4.78	555.6	0.00	14.34
Std Dev				6.95	4.10	20.38	82.78	1.48	445.4	0.00	6.97
SEM				3.11	1.83	9.12	37.02	0.66	199.2	0.00	3.12

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00350	F	10	14	109	0.0	6.0	4.0	2.0	124.9	20.9	1.2
89F00351	F	10	14	70	0.0	5.1	4.3	4.9	99.0	20.4	0.9
89F00364	F	10	14	39	0.1	6.3	4.5	2.6	114.5	21.2	1.2
89F00373	F	10	14	50	0.2	5.7	4.5	3.7	135.0	17.7	1.2
89F00381	F	10	14	81	0.2	6.3	5.7	8.6	145.8	28.7	1.4
Mean				69.8	0.10	5.88	4.60	4.36	123.84	21.78	1.18
Std Dev				27.4	0.10	0.50	0.65	2.62	18.11	4.11	0.18
SEM				12.3	0.04	0.22	0.29	1.17	8.10	1.84	0.08

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00338	F	1	14	35	0.0	6.6	3.1	0.9	120.5	18.4	0.9
89F00339	F	1	14	52	0.1	7.0	3.5	1.0	127.0	22.8	1.1
89F00352	F	1	14	44	0.1	6.3	3.9	1.6	137.5	21.6	1.2
89F00369	F	1	14	22	0.1	6.0	3.5	1.3	124.0	23.3	1.1
89F00377	F	1	14	23	0.1	6.3	3.2	1.1	116.3	17.8	1.0
Mean				35.2	0.08	6.44	3.44	1.18	125.06	20.78	1.06
Std Dev				13.1	0.04	0.38	0.31	0.28	8.02	2.53	0.11
SEM				5.8	0.02	0.17	0.14	0.12	3.59	1.13	0.05
89F00337	F	2	14	45	0.0	7.5	3.1	0.7	133.7	21.9	0.9
89F00358	F	2	14	63	0.0	7.5	3.1	0.7	119.3	19.4	1.2
89F00371	F	2	14	47	0.0	7.9	3.0	0.6	218.5	60.1	1.9
89F00389	F	2	14	74	0.1	6.9	3.1	0.8	133.4	16.3	0.7
89F00391	F	2	14	61	0.0	7.0	3.5	1.0	119.1	17.0	1.2
Mean				58.0	0.02	7.36	3.16	0.76	144.80	26.94	1.18
Std Dev				12.0	0.04	0.41	0.19	0.15	41.82	18.67	0.45
SEM				5.4	0.02	0.18	0.09	0.07	18.70	8.35	0.20
89F00348	F	3	14	48	0.0	8.3	3.5	0.7	128.1	18.7	1.0
89F00355	F	3	14	216	0.0	7.8	3.1	0.6	120.1	16.5	1.2
89F00368	F	3	14	40	0.1	8.3	3.7	0.8	150.8	21.2	1.3
89F00370	F	3	14	20	0.1	8.4	3.7	0.8	122.9	21.2	1.0
89F00383	F	3	14	25	0.4	7.5	2.7	0.6	136.6	22.3	1.2
Mean				69.8	0.12	8.06	3.34	0.70	131.70	19.98	1.14
Std Dev				82.5	0.16	0.39	0.43	0.10	12.39	2.35	0.13
SEM				36.9	0.07	0.17	0.19	0.04	5.54	1.05	0.06

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00345	F	4	14	53	0.0	5.9	4.7	4.0	114.5	12.7	1.0
89F00354	F	4	14	84	0.1	5.7	4.7	4.7	142.2	19.9	1.0
89F00374	F	4	14	68	0.1	6.7	5.2	3.3	140.2	17.5	1.3
89F00380	F	4	14	50	1.2	5.6	4.0	2.5	175.1	14.1	1.1
89F00387	F	4	14	54	0.2	6.1	4.1	2.0	116.9	17.6	1.4
Mean				61.8	0.32	6.00	4.54	3.30	137.78	16.36	1.16
Std Dev				14.2	0.50	0.44	0.49	1.09	24.48	2.91	0.18
SEM				6.4	0.22	0.19	0.22	0.49	10.95	1.30	0.08
89F00341	F	5	14	223	0.1	5.8	4.4	3.2	117.0	21.7	1.1
89F00347	F	5	14	71	0.1	6.1	4.2	2.2	122.5	15.8	1.1
89F00360	F	5	14	82	0.0	5.3	4.3	4.3	54.8	18.9	1.0
89F00375	F	5	14	40	0.1	5.3	4.4	4.8	142.1	18.9	1.2
89F00394	F	5	14	122	0.1	6.3	4.7	3.0	144.5	19.2	1.1
Mean				107.6	0.08	5.76	4.40	3.50	116.18	18.90	1.10
Std Dev				70.9	0.04	0.46	0.19	1.04	36.34	2.09	0.07
SEM				31.7	0.02	0.20	0.08	0.47	16.25	0.94	0.03
89F00343	F	6	14	89	0.0	6.0	4.4	2.7	122.4	14.3	0.6
89F00357	F	6	14	60	0.1	5.1	4.4	6.1	138.7	12.7	1.1
89F00362	F	6	14	57	0.1	5.7	4.7	4.8	120.5	18.3	1.2
89F00363	F	6	14	died							
89F00379	F	6	14	182	0.1	5.4	4.0	2.9	128.5	24.2	1.9
Mean				97.0	0.08	5.55	4.38	4.13	127.53	17.38	1.20
Std Dev				58.5	0.05	0.39	0.29	1.62	8.19	5.12	0.54
SEM				29.2	0.03	0.19	0.14	0.81	4.10	2.56	0.27

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	TRIG	URIC	TP	ALB	A-G	GLU	BUN	CR
89F00344	F	7	14	38	0.0	6.8	3.8	1.3	124.9	11.1	1.0
89F00353	F	7	14	50	0.1	7.2	3.5	1.0	123.4	19.2	1.1
89F00366	F	7	14	70	0.1	6.4	3.7	1.3	130.2	14.9	1.1
89F00372	F	7	14	39	0.1	6.3	3.8	1.5	133.5	18.9	0.7
89F00390	F	7	14	54	0.0	6.9	3.8	1.2	125.7	14.8	0.9
Mean				50.2	0.06	6.72	3.72	1.26	127.54	15.78	0.96
Std Dev				13.0	0.05	0.37	0.13	0.18	4.19	3.36	0.17
SEM				5.8	0.02	0.17	0.06	0.08	1.87	1.50	0.07
89F00346	F	8	14	24	0.0	8.4	2.9	0.5	136.9	19.5	1.0
89F00359	F	8	14	40	0.1	7.7	3.6	0.9	137.2	14.4	0.9
89F00365	F	8	14	40	0.1	8.3	3.4	0.7	133.0	16.5	0.9
89F00392	F	8	14	20	0.0	8.2	2.9	0.5	142.3	14.4	1.4
89F00393	F	8	14	39	0.0	7.7	3.4	0.8	139.2	20.3	1.1
Mean				32.6	0.04	8.06	3.24	0.68	137.72	17.02	1.06
Std Dev				9.8	0.05	0.34	0.32	0.18	3.41	2.78	0.21
SEM				4.4	0.02	0.15	0.14	0.08	1.52	1.24	0.09
89F00340	F	9	14	22	0.0	9.7	3.0	0.4	121.6	20.1	1.1
89F00349	F	9	14	154	0.0	8.4	2.9	0.5	139.9	17.7	1.0
89F00356	F	9	14	39	0.0	7.7	3.1	0.7	119.3	14.8	0.9
89F00367	F	9	14	19	0.0	8.0	3.4	0.7	146.1	21.9	1.1
89F00384	F	9	14	48	0.0	7.8	2.8	0.6	173.4	31.6	1.5
Mean				56.4	0.00	8.32	3.04	0.58	140.06	21.22	1.12
Std Dev				55.9	0.00	0.82	0.23	0.13	21.91	6.38	0.23
SEM				25.0	0.00	0.37	0.10	0.06	9.80	2.86	0.10

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00350	F	10	14	13.0	4.4	148.2	111	4.0	215.8	2.00
89F00351	F	10	14	14.1	3.7	146.7	110	4.0	150.6	1.74
89F00364	F	10	14	14.4	3.8	147.8	112	4.5	101.3	1.83
89F00373	F	10	14	12.9	4.4	145.3	112	4.3	45.4	1.71
89F00381	F	10	14	16.0	7.1	155.4	116	6.5	115.5	2.73
Mean				14.08	4.68	148.68	112.2	4.66	125.72	2.002
Std Dev				1.26	1.39	3.92	2.3	1.05	63.02	0.422
SEM				0.56	0.62	1.75	1.0	0.47	28.18	0.189

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00338	F	1	14	12.0	3.8	146.6	110	3.9	257.8	1.39
89F00339	F	1	14	12.6	4.1	144.1	108	3.9	214.3	1.58
89F00352	F	1	14	13.0	5.0	143.1	111	4.4	151.7	1.59
89F00369	F	1	14	12.9	5.2	143.4	108	4.2	80.3	1.59
89F00377	F	1	14	11.5	3.8	144.9	113	3.7	112.0	1.60
Mean				12.40	4.38	144.42	110.0	4.02	163.22	1.550
Std Dev				0.64	0.67	1.40	2.1	0.28	72.78	0.090
SEM				0.28	0.30	0.63	0.9	0.12	32.55	0.040
89F00337	F	2	14	11.9	4.2	145.8	108	3.8	150.2	1.54
89F00358	F	2	14	11.7	4.2	142.2	112	4.5	183.0	1.31
89F00371	F	2	14	11.6	5.5	157.5	124	3.6	24.4	1.20
89F00389	F	2	14	11.3	4.1	142.8	115	4.2	183.1	1.49
89F00391	F	2	14	12.6	3.5	144.0	113	4.5	172.8	1.57
Mean				11.82	4.30	146.46	114.4	4.12	142.70	1.422
Std Dev				0.49	0.73	6.32	5.9	0.41	67.48	0.160
SEM				0.22	0.33	2.83	2.7	0.18	30.18	0.072
89F00348	F	3	14	11.9	4.2	146.2	110	4.3	161.0	1.65
89F00355	F	3	14	12.4	4.0	142.3	111	4.9	182.4	1.22
89F00368	F	3	14	12.3	5.3	147.1	110	4.8	88.0	1.47
89F00370	F	3	14	12.1	6.0	145.8	109	6.1	153.5	1.98
89F00383	F	3	14	11.0	4.0	144.2	117	4.2	298.3	0.90
Mean				11.94	4.70	145.12	111.4	4.86	176.64	1.444
Std Dev				0.56	0.91	1.89	3.2	0.76	76.60	0.411
SEM				0.25	0.40	0.85	1.4	0.34	34.26	0.184

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00345	F	4	14	12.5	3.9	146.6	113	4.2	296.5	1.89
89F00354	F	4	14	13.2	6.0	147.2	114	4.1	205.8	2.14
89F00374	F	4	14	13.9	4.8	148.5	108	3.9	0.3*	2.07
89F00380	F	4	14	14.5	5.9	152.0	117	7.0	30.0	2.59
89F00387	F	4	14	13.1	4.2	145.6	111	4.0	46.4	1.62
Mean				13.44	4.96	147.98	112.6	4.64	144.68	2.062
Std Dev				0.77	0.96	2.48	3.4	1.32	128.58	0.357
SEM				0.35	0.43	1.11	1.5	0.59	64.29	0.160
89F00341	F	5	14	13.5	4.6	144.2	106	4.8	164.3	1.70
89F00347	F	5	14	12.2	4.6	144.6	110	4.5	379.4	1.90
89F00360	F	5	14	13.8	4.6	144.1	105	4.4	303.2	1.76
89F00375	F	5	14	13.1	6.0	144.6	105	4.4	112.5	1.53
89F00394	F	5	14	14.2	6.3	146.6	108	4.8	197.8	2.28
Mean				13.36	5.22	144.82	106.8	4.58	231.44	1.834
Std Dev				0.76	0.86	1.02	2.2	0.20	108.20	0.282
SEM				0.34	0.38	0.46	1.0	0.09	48.39	0.126
89F00343	F	6	14	12.6	4.4	145.7	109	4.0	324.4	1.67
89F00357	F	6	14	13.1	5.2	144.4	113	4.2	202.5	1.78
89F00362	F	6	14	13.9	5.4	146.5	114	5.1	288.8	2.04
89F00363	F	6	14	died						
89F00379	F	6	14	12.0	5.0	148.0	117	2.6	41.2	1.01
Mean				12.90	5.00	146.15	113.3	3.98	214.23	1.625
Std Dev				0.80	0.43	1.51	3.3	1.03	126.19	0.438
SEM				0.40	0.22	0.75	1.7	0.52	63.10	0.219

* Value is considered to be an outlier and is not included in the group mean or statistical analysis.

Appendix G (cont.): SERUM CHEMISTRY

Animal Number	Sex	Group	Day	CAL	PHOS	NA	CL	K	IRON	MAG
89F00344	F	7	14	11.7	3.6	145.1	109	4.0	377.3	1.70
89F00353	F	7	14	12.1	4.7	145.4	113	4.3	258.5	1.45
89F00366	F	7	14	12.5	2.8	145.8	112	3.7	78.9	1.54
89F00372	F	7	14	12.1	3.6	144.6	110	4.2	146.4	1.48
89F00390	F	7	14	13.2	3.3	144.4	109	3.4	384.7	1.43
Mean				12.32	3.60	145.06	110.6	3.92	249.16	1.520
Std Dev				0.57	0.70	0.57	1.8	0.37	136.41	0.109
SEM				0.25	0.31	0.26	0.8	0.17	61.00	0.049
89F00346	F	8	14	11.3	3.1	144.5	112	4.0	107.4	1.61
89F00359	F	8	14	12.3	3.7	144.7	111	4.4	141.9	1.72
89F00365	F	8	14	12.3	5.2	143.6	107	4.8	72.7	1.61
89F00392	F	8	14	10.9	3.4	146.0	113	3.5	157.0	1.08
89F00393	F	8	14	12.5	4.7	145.3	112	4.3	62.1	1.61
Mean				11.86	4.02	144.82	111.0	4.20	108.22	1.526
Std Dev				0.71	0.89	0.90	2.3	0.48	41.54	0.254
SEM				0.32	0.40	0.40	1.0	0.22	18.58	0.114
89F00340	F	9	14	11.3	3.2	146.2	113	4.6	194.2	1.43
89F00349	F	9	14	11.5	4.2	144.5	104	4.7	110.0	1.59
89F00356	F	9	14	11.9	3.9	144.8	116	3.8	97.8	1.34
89F00367	F	9	14	12.3	6.0	142.3	111	4.3	171.0	1.46
89F00384	F	9	14	10.7	3.9	144.5	113	3.5	44.8	1.31
Mean				11.54	4.24	144.46	111.4	4.18	123.56	1.426
Std Dev				0.61	1.05	1.40	4.5	0.52	59.77	0.111
SEM				0.27	0.47	0.62	2.0	0.23	26.73	0.049

Appendix H: HEMATOLOGY

List of Hematology Abbreviations/Units

RBC	Erythrocytes ($\times 10^6/\mu l$)
HGB	Hemoglobin (g/dl)
HCT	Hematocrit (%)
MCV	Mean Corpuscular Volume (femtoliters)
MCH	Mean Corpuscular Hemoglobin (picograms)
MCHC	Mean Corpuscular Hemoglobin Concentration (g/dl)
PLT	Platelets ($\times 10^3/\mu l$)
RET	Reticulocytes (%)
NRBC	Nucleated Red Blood Cell (#/100 WBC)
WBC	Total Leukocyte Count ($\times 10^3/\mu l$)
HET	Heterophils (%)
BAN	Immature Neutrophils (%)
EOS	Eosinophils (%)
BAS	Basophils (%)
LYM	Lymphocytes (%)
MON	Monocytes (%)
ATL	Atypical Lymphocytes (%)
PT	Prothrombin Time (seconds)
APPT	Activated Partial Thromboplastin Time (seconds)
NT	Not Taken
TNTC	Designates PT or APTT value which exceeded 150 seconds. Such values were dropped from PT data. For APTT data, the value was changed to 150 to facilitate calculations of means, standard deviations, and standard errors of the means.

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	-7	5.53	12.1	37.1	67.1	21.9	32.6	389	2.9	0
89F00136	M	10	-7	6.47	14.4	43.9	67.9	22.3	32.8	426	4.0	2
89F00142	M	10	-7	6.08	13.4	40.0	65.8	22.0	33.5	367	3.2	0
89F00168	M	10	-7	6.68	13.9	43.2	64.7	20.8	32.2	258	5.3	0
89F00175	M	10	-7	6.07	14.6	43.7	72.0	24.1	33.4	277	4.6	0
Mean				6.166	13.68	41.58	67.50	22.22	32.90	343.4	4.00	0.4
Std Dev				0.441	1.00	2.96	2.80	1.19	0.55	72.7	0.99	0.9
SEM				0.197	0.45	1.32	1.25	0.53	0.24	32.5	0.44	0.4

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	-7	5.98	13.0	39.9	66.8	21.7	32.6	300	4.1	0
89F00130	M	1	-7	5.83	12.4	38.3	65.7	21.3	32.4	555	5.0	0
89F00140	M	1	-7	5.40	12.4	38.4	71.2	23.0	32.3	350	3.6	1
89F00155	M	1	-7	7.16	15.0	45.3	63.3	20.9	33.1	397	4.0	0
89F00166	M	1	-7	5.81	13.0	40.4	69.6	22.4	32.2	412	5.0	0
Mean				6.036	13.16	40.46	67.32	21.86	32.52	402.8	4.34	0.2
Std Dev				0.664	1.07	2.86	3.13	0.84	0.36	95.7	0.63	0.4
SEM				0.297	0.48	1.28	1.40	0.38	0.16	42.8	0.28	0.2
89F00118	M	2	-7	6.23	13.2	40.2	64.6	21.2	32.8	332	4.4	0
89F00132	M	2	-7	6.44	13.1	41.0	63.6	20.3	32.0	439	3.9	0
89F00141	M	2	-7	6.23	13.6	41.5	66.6	21.9	32.8	292	3.7	0
89F00176	M	2	-7	6.40	14.1	44.0	68.7	22.0	32.0	413	5.4	0
89F00257	M	2	-7	6.26	13.6	41.4	66.2	21.7	32.9	394	8.0	0
Mean				6.312	13.52	41.62	65.94	21.42	32.50	374.0	5.08	0.0
Std Dev				0.100	0.40	1.43	1.96	0.70	0.46	60.5	1.76	0.0
SEM				0.045	0.18	0.64	0.88	0.31	0.20	27.0	0.79	0.0
89F00129	M	3	-7	5.74	13.2	39.5	68.9	23.0	33.4	406	3.4	0
89F00147	M	3	-7	6.48	13.8	41.8	64.5	21.3	33.0	189	3.6	0
89F00154	M	3	-7	5.84	12.8	39.8	68.1	21.9	32.2	419	5.9	0
89F00172	M	3	-7	6.13	13.9	42.1	68.6	22.7	33.0	262	3.5	0
89F00173	M	3	-7	6.11	13.2	41.1	67.3	21.6	32.1	433	5.7	0
Mean				6.060	13.38	40.86	67.48	22.10	32.74	341.8	4.42	0.0
Std Dev				0.289	0.46	1.17	1.77	0.72	0.56	109.7	1.26	0.0
SEM				0.129	0.21	0.52	0.79	0.32	0.25	49.0	0.57	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	-7	6.78	13.8	42.4	62.6	20.4	32.5	369	3.9	0
89F00131	M	4	-7	6.26	13.8	42.9	68.5	22.0	32.2	287	2.5	0
89F00157	M	4	-7	5.91	13.0	39.2	66.4	22.0	33.2	391	5.5	0
89F00169	M	4	-7	6.00	12.8	38.9	64.9	21.3	32.9	295	6.2	0
89F00258	M	4	-7	4.15	11.1	31.2	75.2	26.7	35.6	453	7.3	0
Mean				5.820	12.90	38.92	67.52	22.48	33.28	359.0	5.08	0.0
Std Dev				0.993	1.10	4.68	4.80	2.45	1.35	69.4	1.90	0.0
SEM				0.444	0.49	2.09	2.15	1.10	0.60	31.0	0.85	0.0
89F00116	M	5	-7	6.51	13.7	42.7	65.6	21.0	32.1	402	3.8	0
89F00128	M	5	-7	6.45	13.4	41.2	63.8	20.8	32.5	448	2.3	0
89F00148	M	5	-7	5.50	12.2	37.1	67.5	22.2	32.9	429	3.9	0
89F00259	M	5	-7	6.58	13.3	41.2	62.6	20.2	32.3	441	8.9	0
89F00261	M	5	-7	6.41	14.3	43.1	67.2	22.3	33.2	219	7.3	0
Mean				6.290	13.38	41.06	65.34	21.30	32.60	387.8	5.24	0.0
Std Dev				0.446	0.77	2.38	2.13	0.92	0.45	96.0	2.75	0.0
SEM				0.200	0.34	1.06	0.95	0.41	0.20	42.9	1.23	0.0
89F00120	M	6	-7	6.03	12.5	38.9	64.5	20.7	32.1	317	4.5	0
89F00143	M	6	-7	6.17	13.0	40.0	64.9	21.1	32.5	565	3.7	0
89F00149	M	6	-7	6.00	12.9	38.0	63.4	21.5	33.9	212	3.7	0
89F00177	M	6	-7	5.96	12.6	39.8	66.7	21.1	31.7	305	5.6	0
89F00263	M	6	-7	6.08	13.3	40.4	66.5	21.9	32.9	240	9.0	0
Mean				6.048	12.86	39.42	65.20	21.26	32.62	327.8	5.29	0.0
Std Dev				0.081	0.32	0.97	1.39	0.46	0.84	139.7	2.21	0.0
SEM				0.036	0.14	0.43	0.62	0.20	0.38	62.5	0.99	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	-7	7.26	14.7	46.1	63.5	20.2	31.9	382	3.6	0
89F00137	M	7	-7	6.04	13.0	39.9	66.1	21.5	32.6	324	3.3	0
89F00164	M	7	-7	6.22	13.7	42.9	69.0	22.0	31.9	391	4.8	0
89F00171	M	7	-7	6.23	12.8	39.7	63.7	20.5	32.2	364	3.5	0
89F00264	M	7	-7	6.13	13.0	38.5	62.8	21.2	33.8	325	8.8	0
Mean				6.376	13.44	41.42	65.02	21.08	32.48	357.2	4.80	0.0
Std Dev				0.500	0.78	3.08	2.55	0.73	0.79	31.4	2.31	0.0
SEM				0.224	0.35	1.38	1.14	0.33	0.35	14.0	1.03	0.0
89F00125	M	8	-7	6.75	14.5	46.1	68.3	21.5	31.5	254	4.2	0
89F00145	M	8	-7	5.73	12.5	37.9	66.2	21.8	33.0	253	3.3	0
89F00158	M	8	-7	6.62	14.4	43.4	65.6	21.8	33.2	164	4.1	0
89F00165	M	8	-7	6.47	13.8	42.9	66.3	21.3	32.2	323	6.2	0
89F00266	M	8	-7	6.23	12.2	37.3	59.8	19.6	32.7	465	8.0	0
Mean				6.360	13.48	41.52	65.24	21.20	32.52	291.8	5.16	0.0
Std Dev				0.402	1.07	3.79	3.21	0.92	0.68	112.1	1.91	0.0
SEM				0.180	0.48	1.69	1.43	0.41	0.31	50.1	0.86	0.0
89F00121	M	9	-7	5.61	12.4	38.1	68.0	22.1	32.5	318	4.3	0
89F00139	M	9	-7	6.45	13.1	41.0	63.5	20.3	32.0	530	3.6	0
89F00151	M	9	-7	5.42	12.4	37.2	68.6	22.9	33.3	376	4.3	0
89F00156	M	9	-7	6.87	13.7	42.9	62.4	19.9	31.9	382	5.7	6
89F00267	M	9	-7	5.92	13.2	39.5	66.8	22.3	33.4	544	6.9	0
Mean				6.054	12.96	39.74	65.86	21.50	32.62	430.0	4.96	1.1
Std Dev				0.600	0.56	2.28	2.76	1.32	0.70	100.9	1.33	2.5
SEM				0.268	0.25	1.02	1.24	0.59	0.32	45.1	0.59	1.1

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	-7	7.1	27	0	0	0	72	0	1	NT	NT
89F00136	M	10	-7	10.6	23	0	3	0	68	1	5	6.3	27.3
89F00142	M	10	-7	10.0	33	0	0	0	63	2	2	7.0	24.8
89F00168	M	10	-7	6.7	24	0	1	0	70	0	5	NT	NT
89F00175	M	10	-7	8.9	22	0	0	0	74	2	2	6.5	29.0
Mean				8.66	25.8	0.0	0.8	0.0	69.4	1.0	3.0	6.6C	27.03
Std Dev				1.72	4.4	0.0	1.3	0.0	4.2	1.0	1.9	0.36	2.11
SEM				0.77	2.0	0.0	0.6	0.0	1.9	0.4	0.8	0.21	1.22

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	-7	9.9	35	0	1	0	63	1	0	6.4	17.2
89F00130	M	1	-7	7.2	34	0	0	0	66	0	0	NT	NT
89F00140	M	1	-7	6.7	24	0	0	0	70	0	6	6.6	16.8
89F00155	M	1	-7	5.8	38	0	0	0	59	1	2	5.7	14.2
89F00166	M	1	-7	6.1	23	0	0	0	69	0	8	5.3	31.8
Mean				7.14	30.8	0.0	0.2	0.0	65.4	0.4	3.2	6.00	20.00
Std Dev				1.63	6.8	0.0	0.4	0.0	4.5	0.5	3.6	0.61	7.98
SEM				0.73	3.1	0.0	0.2	0.0	2.0	0.2	1.6	0.30	3.99
89F00118	M	2	-7	6.9	38	0	0	2	52	2	6	6.5	22.8
89F00132	M	2	-7	6.1	36	0	1	0	60	1	2	5.8	19.5
89F00141	M	2	-7	10.1	23	0	0	0	71	1	5	TNTC	NT
89F00176	M	2	-7	5.5	42	0	0	0	53	2	3	6.8	39.3
89F00257	M	2	-7	10.7	52	0	0	0	42	2	4	7.3	38.4
Mean				7.86	38.2	0.0	0.2	0.4	55.6	1.6	4.0	6.60	30.00
Std Dev				2.38	10.5	0.0	0.4	0.9	10.7	0.5	1.6	0.63	10.31
SEM				1.06	4.7	0.0	0.2	0.4	4.8	0.2	0.7	0.31	5.16
89F00129	M	3	-7	8.2	10	0	0	2	86	0	2	6.4	18.5
89F00147	M	3	-7	8.0	13	0	1	0	84	1	1	NT	NT
89F00154	M	3	-7	6.7	48	0	0	0	51	0	1	5.8	43.8
89F00172	M	3	-7	6.8	26	0	0	0	70	1	3	7.8	32.6
89F00173	M	3	-7	6.7	26	0	0	0	72	0	2	7.0	39.0
Mean				7.20	24.6	0.0	0.2	0.4	72.6	0.4	1.8	6.75	33.48
Std Dev				0.75	15.0	0.0	0.4	0.9	14.0	0.5	0.8	0.85	10.99
SEM				0.34	6.7	0.0	0.2	0.4	6.3	0.2	0.4	0.43	5.49

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	-7	6.8	29	0	0	0	64	3	4	7.6	17.6
89F00131	M	4	-7	7.7	63	0	2	0	27	2	6	6.0	18.4
89F00157	M	4	-7	7.6	42	0	0	0	57	0	1	6.2	23.6
89F00169	M	4	-7	10.0	25	0	0	0	68	1	6	8.0	25.8
89F00258	M	4	-7	6.1	28	0	0	0	69	2	1	TNTC	TNTC
Mean				7.64	37.4	0.0	0.4	0.0	57.0	1.6	3.6	6.95	47.08
Std Dev				1.47	15.7	0.0	0.9	0.0	17.4	1.1	2.5	1.00	57.64
SEM				0.66	7.0	0.0	0.4	0.0	7.8	0.5	1.1	0.50	25.78
89F00116	M	5	-7	6.5	13	0	0	3	79	1	4	6.0	25.4
89F00128	M	5	-7	9.0	11	0	0	1	85	2	1	NT	NT
89F00148	M	5	-7	7.2	34	0	0	0	62	0	4	6.3	65.2
89F00259	M	5	-7	7.3	19	0	0	0	74	3	4	6.5	34.0
89F00261	M	5	-7	6.6	23	0	0	0	73	2	2	7.0	40.2
Mean				7.32	20.0	0.0	0.0	0.8	74.6	1.6	3.0	6.45	41.20
Std Dev				1.00	9.2	0.0	0.0	1.3	8.5	1.1	1.4	0.42	17.11
SEM				0.45	4.1	0.0	0.0	0.6	3.8	0.5	0.6	0.21	8.56
89F00120	M	6	-7	7.3	23	0	0	1	75	1	0	6.8	18.8
89F00143	M	6	-7	10.0	48	0	0	0	51	0	1	6.4	17.5
89F00149	M	6	-7	5.6	44	0	0	0	56	0	0	6.2	12.1
89F00177	M	6	-7	5.3	26	0	0	0	73	1	0	6.5	21.8
89F00263	M	6	-7	4.7	15	0	0	0	84	1	0	7.8	36.3
Mean				6.58	31.2	0.0	0.0	0.2	67.8	0.6	0.2	6.74	21.30
Std Dev				2.14	14.2	0.0	0.0	0.4	13.8	0.5	0.4	0.63	9.09
SEM				0.96	6.3	0.0	0.0	0.2	6.2	0.2	0.2	0.28	4.07

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	-7	6.1	26	0	1	1	66	2	4	6.5	22.4
89F00137	M	7	-7	6.8	30	0	0	0	67	0	3	6.8	20.2
89F00164	M	7	-7	10.2	35	0	0	0	57	1	7	5.4	25.9
89F00171	M	7	-7	11.4	33	0	0	0	65	2	0	7.7	23.6
89F00264	M	7	-7	7.3	26	0	0	0	65	1	8	6.5	41.3
Mean				8.36	30.0	0.0	0.2	0.2	64.0	1.2	4.4	6.58	26.66
Std Dev				2.31	4.1	0.0	0.4	0.4	4.0	0.8	3.2	0.82	8.43
SEM				1.03	1.8	0.0	0.2	0.2	1.8	0.4	1.4	0.37	3.77
89F00125	M	8	-7	8.1	18	0	0	1	81	0	0	NT	NT
89F00145	M	8	-7	7.2	16	0	0	0	77	0	7	6.4	15.1
89F00158	M	8	-7	6.5	19	0	0	0	78	1	2	6.2	14.3
89F00165	M	8	-7	7.8	32	0	0	0	66	1	1	5.8	30.8
89F00266	M	8	-7	8.2	27	0	0	0	70	1	2	6.9	38.8
Mean				7.56	22.4	0.0	0.0	0.2	74.4	0.6	2.4	6.33	24.75
Std Dev				0.71	6.8	0.0	0.0	0.4	6.2	0.5	2.7	0.46	12.06
SEM				0.32	3.0	0.0	0.0	0.2	2.8	0.2	1.2	0.23	6.03
89F00121	M	9	-7	7.0	15	0	0	0	84	1	0	NT	NT
89F00139	M	9	-7	9.9	26	0	0	0	71	1	2	7.0	16.8
89F00151	M	9	-7	5.8	55	0	0	0	41	1	3	5.8	50.3
89F00156	M	9	-7	7.8	33	0	2	0	58	2	5	NT	NT
89F00267	M	9	-7	6.6	16	0	0	0	81	1	2	6.0	31.7
Mean				7.42	29.0	0.0	0.4	0.0	67.0	1.2	2.4	6.27	32.93
Std Dev				1.56	16.3	0.0	0.9	0.0	17.7	0.4	1.8	0.64	16.78
SEM				0.70	7.3	0.0	0.4	0.0	7.9	0.2	0.8	0.37	9.69

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	0	5.06	11.8	35.1	69.4	23.3	33.6	429	4.3	0
89F00136	M	10	0	5.77	13.3	38.8	67.3	23.1	34.3	775	5.8	0
89F00142	M	10	0	5.70	12.0	38.2	67.1	21.1	31.4	431	5.8	0
89F00168	M	10	0	4.63	10.2	30.8	66.6	22.0	33.1	483	6.1	5
89F00175	M	10	0	4.26	11.4	32.1	75.4	26.8	35.5	614	6.3	0
Mean				5.084	11.74	35.00	69.16	23.26	33.58	546.4	5.66	1.0
Std Dev				0.659	1.12	3.56	3.65	2.17	1.52	148.3	0.79	2.2
SEM				0.295	0.50	1.59	1.63	0.97	0.68	66.3	0.35	1.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	0	4.90	10.9	34.2	69.8	22.2	31.9	299	4.9	3
89F00130	M	1	0	5.64	12.6	37.3	66.1	22.3	33.8	406	6.5	0
89F00140	M	1	0	4.92	11.7	35.8	72.7	23.8	32.7	149	4.3	0
89F00155	M	1	0	5.38	11.7	34.3	63.8	21.7	34.1	513	5.6	0
89F00166	M	1	0	5.21	12.4	36.2	69.5	23.8	34.3	524	5.9	0
Mean				5.210	11.86	35.56	68.38	22.76	33.36	378.2	5.44	0.6
Std Dev				0.314	0.67	1.32	3.47	0.98	1.02	157.3	0.86	1.3
SEM				0.140	0.30	0.59	1.55	0.44	0.46	70.4	0.38	0.6
89F00118	M	2	0	5.68	11.9	36.9	65.0	21.0	32.2	272	5.0	0
89F00132	M	2	0	4.89	10.3	32.0	65.5	21.1	32.2	542	5.5	0
89F00141	M	2	0	5.37	12.1	37.4	69.7	22.5	32.4	534	6.1	0
89F00176	M	2	0	5.38	12.0	36.8	68.4	22.3	32.6	515	5.7	0
89F00257	M	2	0	5.46	11.9	36.5	66.8	21.8	32.6	357	8.8	0
Mean				5.356	11.64	35.92	67.08	21.74	32.40	444.0	6.22	0.0
Std Dev				0.289	0.75	2.22	1.97	0.68	0.20	122.4	1.50	0.0
SEM				0.129	0.34	0.99	0.88	0.30	0.09	54.7	0.67	0.0
89F00129	M	3	0	5.13	11.9	36.2	70.6	23.2	32.9	264	5.3	0
89F00147	M	3	0	4.42	10.0	30.0	67.9	22.6	33.3	373	5.2	0
89F00154	M	3	0	4.52	10.2	31.1	68.8	22.6	32.8	373	5.8	0
89F00172	M	3	0	5.21	11.9	36.0	69.1	22.8	33.1	691	6.1	0
89F00173	M	3	0	4.59	10.5	31.9	69.4	22.9	32.9	709	6.5	0
Mean				4.774	10.90	33.04	69.16	22.82	33.00	482.0	5.78	0.0
Std Dev				0.368	0.93	2.87	0.98	0.25	0.20	204.0	0.54	0.0
SEM				0.164	0.42	1.29	0.44	0.11	0.09	91.2	0.24	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	0	5.68	11.9	36.6	64.4	21.0	32.5	443	4.6	0
89F00131	M	4	0	5.13	11.6	35.9	70.0	22.6	32.3	404	5.0	1
89F00157	M	4	0	4.96	10.9	33.0	66.5	22.0	33.0	354	6.0	1
89F00169	M	4	0	5.00	11.2	33.6	67.1	22.4	33.3	530	6.0	0
89F00258	M	4	0	3.22	9.0	25.8	80.1	28.0	34.9	472	9.0	8
Mean				4.798	10.92	32.98	69.62	23.20	33.20	440.6	6.12	2.0
Std Dev				0.928	1.14	4.29	6.19	2.75	1.03	66.8	1.72	3.4
SEM				0.415	0.51	1.92	2.77	1.23	0.46	29.9	0.77	1.5
89F00116	M	5	0	5.37	11.8	36.5	68.0	22.0	32.3	211	3.7	2
89F00128	M	5	0	5.53	11.8	36.0	65.1	21.3	32.8	139	4.6	0
89F00148	M	5	0	4.97	12.1	34.6	69.7	24.3	35.0	213	6.0	2
89F00259	M	5	0	5.24	11.1	33.2	63.3	21.2	33.4	319	8.7	0
89F00261	M	5	0	5.16	11.8	35.3	68.4	22.9	33.4	351	8.2	3
Mean				5.254	11.72	35.12	66.90	22.34	33.38	246.6	6.24	1.4
Std Dev				0.212	0.37	1.29	2.62	1.29	1.02	86.8	2.18	1.3
SEM				0.095	0.17	0.58	1.17	0.58	0.45	38.8	0.98	0.6
39F00120	M	6	0	5.12	11.3	34.0	66.4	22.1	33.2	372	2.6	0
89F00143	M	6	0	5.69	12.4	37.7	66.2	21.8	32.9	443	6.0	6
89F00149	M	6	0	5.24	11.3	34.3	65.4	21.6	32.9	455	5.9	0
89F00177	M	6	0	4.89	11.4	33.5	68.5	23.3	34.0	639	6.3	0
89F00263	M	6	0	4.86	11.2	33.1	68.1	23.0	33.8	309	7.8	0
Mean				5.160	11.52	34.52	66.92	22.36	33.36	443.6	5.72	1.2
Std Dev				0.336	0.50	1.84	1.32	0.75	0.51	124.1	1.90	2.7
SEM				0.150	0.22	0.82	0.59	0.34	0.23	55.5	0.85	1.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	0	6.19	12.9	40.4	65.2	20.8	31.9	498	4.1	0
89F00137	M	7	0	5.36	11.6	36.1	67.3	21.6	32.1	273	5.3	1
89F00164	M	7	0	5.32	12.1	37.6	70.7	22.7	32.2	655	6.4	1
89F00171	M	7	0	5.05	11.2	33.1	65.6	22.2	33.8	660	6.9	0
89F00264	M	7	0	5.14	10.6	32.5	63.2	20.6	32.6	313	8.1	0
Mean				5.412	11.68	35.94	66.40	21.58	32.52	479.8	6.16	0.4
Std Dev				0.453	0.88	3.26	2.81	0.90	0.76	183.1	1.53	0.5
SEM				0.203	0.39	1.46	1.26	0.40	0.34	81.9	0.68	0.2
89F00125	M	8	0	5.38	12.5	38.8	72.1	23.2	32.2	468	4.3	6
89F00145	M	8	0	5.53	12.1	36.7	66.4	21.9	33.0	395	6.4	0
89F00158	M	8	0	5.60	12.4	37.0	66.0	22.1	33.5	531	5.8	0
89F00165	M	8	0	5.41	12.9	36.7	67.8	23.8	35.1	552	6.0	2
89F00266	M	8	0	4.60	9.1	27.8	60.4	19.8	32.7	424	8.3	0
Mean				5.304	11.80	35.40	66.54	22.16	33.30	474.0	6.16	1.6
Std Dev				0.404	1.54	4.34	4.20	1.53	1.11	67.3	1.44	2.6
SEM				0.180	0.69	1.94	1.88	0.69	0.50	30.1	0.64	1.2
89F00121	M	9	0	4.67	10.7	33.3	71.2	22.9	32.1	431	3.1	7
89F00139	M	9	0	5.83	12.0	37.6	64.5	20.6	31.9	149	5.6	0
89F00151	M	9	0	4.93	11.5	34.4	69.7	23.3	33.4	632	6.2	2
89F00156	M	9	0	5.64	11.6	35.5	63.0	20.6	32.7	424	6.0	1
89F00267	M	9	0	4.76	10.9	32.6	68.4	22.9	33.4	490	8.5	0
Mean				5.166	11.34	34.68	67.36	22.06	32.70	425.2	5.88	2.0
Std Dev				0.532	0.53	1.97	3.48	1.34	0.70	175.6	1.92	2.9
SEM				0.238	0.24	0.88	1.56	0.60	0.31	78.5	0.86	1.3

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	0	8.2	48	0	2	0	49	0	1	6.4	40.5
89F00136	M	10	0	11.5	49	0	1	0	45	2	3	7.7	TNTC
89F00142	M	10	0	9.2	29	0	1	0	70	0	0	6.2	TNTC
89F00168	M	10	0	8.4	26	0	0	0	73	1	0	7.3	TNTC
89F00175	M	10	0	11.3	30	0	0	0	66	0	4	6.5	TNTC
Mean				9.72	36.4	0.0	0.8	0.0	60.6	0.6	1.6	6.82	128.10
Std Dev				1.58	11.1	0.0	0.8	0.0	12.7	0.9	1.8	0.65	48.97
SEM				0.71	5.0	0.0	0.4	0.0	5.7	0.4	0.8	0.29	21.90

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	0	12.3	44	0	0	0	55	1	0	6.3	63.5
89F00130	M	1	0	10.1	45	0	0	0	52	0	3	10.3	TNTC
89F00140	M	1	0	9.8	34	0	0	0	66	0	0	6.2	TNTC
89F00155	M	1	0	9.9	43	0	0	0	56	1	1	6.0	53.8
89F00166	M	1	0	9.5	34	0	0	0	59	3	4	10.0	TNTC
Mean				10.32	40.0	0.0	0.0	0.0	57.6	1.0	1.6	7.76	113.46
Std Dev				1.13	5.5	0.0	0.0	0.0	5.3	1.2	1.8	2.19	50.15
SEM				0.50	2.5	0.0	0.0	0.0	2.4	0.5	0.8	0.98	22.43
89F00118	M	2	0	6.8	31	0	0	0	69	0	0	5.4	39.8
89F00132	M	2	0	7.8	14	0	0	0	85	1	0	5.5	TNTC
89F00141	M	2	0	11.1	23	0	0	0	68	2	7	5.5	34.2
89F00176	M	2	0	6.6	47	0	0	0	52	1	0	6.5	TNTC
89F00257	M	2	0	11.2	53	0	0	0	41	1	5	6.6	TNTC
Mean				8.70	33.6	0.0	0.0	0.0	63.0	1.0	2.4	5.90	104.8
Std Dev				2.28	16.3	0.0	0.0	0.0	17.0	0.7	3.4	0.60	61.92
SEM				1.02	7.3	0.0	0.0	0.0	7.6	0.3	1.5	0.27	27.69
89F00129	M	3	0	13.0	78	0	2	0	20	0	0	7.5	TNTC
89F00147	M	3	0	9.2	69	0	0	0	31	0	0	5.8	52.8
89F00154	M	3	0	8.2	41	0	0	0	59	0	0	7.3	TNTC
89F00172	M	3	0	9.2	23	0	0	0	70	3	4	9.5	TNTC
89F00173	M	3	0	8.3	42	0	0	0	56	0	2	6.6	TNTC
Mean				9.58	50.6	0.0	0.4	0.0	47.2	0.6	1.2	7.34	130.56
Std Dev				1.97	22.5	0.0	0.9	0.0	20.8	1.3	1.8	1.38	43.47
SEM				0.88	10.0	0.0	0.4	0.0	9.3	0.6	0.8	0.62	19.44

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	0	9.7	57	0	0	0	42	1	0	7.6	TNTC
89F00131	M	4	0	5.7	38	0	0	0	61	1	0	4.6	NT
89F00157	M	4	0	5.7	40	0	0	0	59	0	1	6.0	16.8
89F00169	M	4	0	10.8	38	0	0	0	60	0	2	8.8	TNTC
89F00258	M	4	0	13.3	33	0	0	0	66	1	0	6.0	44.6
Mean				9.04	41.2	0.0	0.0	0.0	57.6	0.6	0.6	6.60	90.35
Std Dev				3.32	9.2	0.0	0.0	0.0	9.1	0.5	0.9	1.62	69.81
SEM				1.48	4.1	0.0	0.0	0.0	4.1	0.2	0.4	0.73	34.90
89F00116	M	5	0	7.7	49	0	2	0	47	2	0	6.6	26.0
89F00128	M	5	0	11.4	44	0	0	0	55	1	0	7.5	TNTC
89F00148	M	5	0	13.3	39	0	0	0	61	0	0	7.0	TNTC
89F00259	M	5	0	7.0	37	0	0	0	62	0	1	7.0	TNTC
89F00261	M	5	0	7.2	52	0	0	0	48	0	0	6.7	TNTC
Mean				9.32	44.2	0.0	0.4	0.0	54.6	0.6	0.2	6.96	125.20
Std Dev				2.86	6.4	0.0	0.9	0.0	7.0	0.9	0.4	0.35	55.45
SEM				1.28	2.9	0.0	0.4	0.0	3.1	0.4	0.2	0.16	24.80
89F00120	M	6	0	9.8	88	0	1	0	11	0	0	6.5	85.1
89F00143	M	6	0	7.6	39	0	0	0	56	3	2	5.3	58.2
89F00149	M	6	0	10.2	61	0	0	0	36	0	3	4.8	31.2
89F00177	M	6	0	7.5	35	0	0	0	63	0	2	5.6	TNTC
89F00263	M	6	0	8.8	38	0	0	0	59	1	2	6.2	30.8
Mean				8.78	52.2	0.0	0.2	0.0	45.0	0.8	1.8	5.68	71.06
Std Dev				1.23	22.5	0.0	0.4	0.0	21.7	1.3	1.1	0.68	49.51
SEM				0.55	10.1	0.0	0.2	0.0	9.7	0.6	0.5	0.31	22.14

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	0	6.8	75	0	0	0	21	1	3	7.0	37.2
89F00137	M	7	0	7.9	33	0	0	0	66	1	0	6.3	97.4
89F00164	M	7	0	10.5	23	0	0	0	64	8	5	5.2	TNTC
89F00171	M	7	0	11.3	27	0	0	0	71	0	2	8.3	TNTC
89F00264	M	7	0	7.2	39	0	0	0	60	1	0	6.5	TNTC
Mean				8.74	39.4	0.0	0.0	0.0	56.4	2.2	2.0	6.66	116.92
Std Dev				2.03	20.8	0.0	0.0	0.0	20.2	3.3	2.1	1.13	50.05
SEM				0.91	9.3	0.0	0.0	0.0	9.0	1.5	0.9	0.50	22.38
89F00125	M	8	0	11.4	65	0	0	0	32	1	2	7.8	TNTC
89F00145	M	8	0	11.1	45	0	0	0	55	0	0	5.8	39.1
89F00158	M	8	0	10.0	22	0	0	0	76	0	2	7.3	80.0
89F00165	M	8	0	8.7	36	0	0	0	61	0	3	6.8	TNTC
89F00266	M	8	0	9.8	51	0	0	0	49	0	0	7.0	TNTC
Mean				10.20	43.8	0.0	0.0	0.0	54.6	0.2	1.4	6.94	113.82
Std Dev				1.08	16.1	0.0	0.0	0.0	16.1	0.4	1.3	0.74	51.61
SEM				0.48	7.2	0.0	0.0	0.0	7.2	0.2	0.6	0.33	23.08
89F00121	M	9	0	6.9	26	0	0	0	74	0	0	6.2	29.0
89F00139	M	9	0	11.3	35	0	1	0	61	1	2	6.0	35.6
89F00151	M	9	0	9.9	42	0	0	0	56	0	2	8.4	TNTC
89F00156	M	9	0	10.3	40	0	0	0	58	0	2	8.3	TNTC
89F00267	M	9	0	9.7	29	0	0	0	69	0	2	6.2	59.8
Mean				9.62	34.4	0.0	0.2	0.0	63.6	0.2	1.6	7.02	84.88
Std Dev				1.64	6.9	0.0	0.4	0.0	7.6	0.4	0.9	1.22	60.54
SEM				0.73	3.1	0.0	0.2	0.0	3.4	0.2	0.4	0.54	27.08

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	1	4.79	10.9	33.1	69.0	22.8	32.9	491	7.2	2
89F00136	M	10	1	clot	12.8	clot	clot	clot	clot	clot	6.0	0
89F00142	M	10	1	5.52	11.8	36.8	66.7	21.4	32.1	426	5.5	0
89F00168	M	10	1	4.39	9.9	29.3	66.8	22.6	33.8	480	6.2	3
89F00175	M	10	1	4.14	11.1	30.9	74.7	26.8	35.9	612	6.5	0
Mean				4.710	11.30	32.53	69.30	23.40	33.68	502.3	6.28	1.0
Std Dev				0.603	1.08	3.25	3.75	2.35	1.64	78.5	0.63	1.4
SEM				0.301	0.54	1.62	1.88	1.17	0.82	39.2	0.28	0.6

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	1									
89F00130	M	1	1	5.18	11.5	34.1	65.8	22.2	33.7	360	5.8	0
89F00140	M	1	1	4.78	11.5	34.7	72.5	24.1	33.1	216	5.3	0
89F00155	M	1	1	5.46	11.5	34.8	63.8	21.1	33.0	612	6.9	0
89F00166	M	1	1	4.73	11.3	33.3	70.3	23.9	33.9	490	5.5	0
Mean				5.038	11.45	34.23	68.10	22.83	33.43	419.5	5.88	0.0
Std Dev				0.346	0.10	0.69	4.00	1.43	0.44	170.3	0.71	0.0
SEM				0.173	0.05	0.35	2.00	0.72	0.22	85.2	0.36	0.0
89F00118	M	2	1	5.17	10.9	34.0	65.8	21.1	32.1	332	5.1	0
89F00132	M	2	1	5.27	10.7	34.5	65.5	20.3	31.0	547	5.6	0
89F00141	M	2	1	5.01	11.5	34.6	69.1	23.0	33.2	448	5.0	0
89F00176	M	2	1	5.12	11.4	34.8	68.0	22.3	32.8	554	6.0	0
89F00257	M	2	1	4.69	10.8	31.7	67.7	23.1	34.1	446	8.4	2
Mean				5.052	11.06	33.92	67.22	21.96	32.64	465.4	6.02	0.4
Std Dev				0.223	0.36	1.28	1.53	1.22	1.17	90.8	1.39	0.9
SEM				0.100	0.16	0.57	0.68	0.55	0.52	40.6	0.62	0.4
89F00129	M	3	1	4.65	11.1	32.7	70.3	23.9	33.9	338	5.3	0
89F00147	M	3	1	4.20	9.5	28.7	68.3	22.6	33.1	379	6.0	0
89F00154	M	3	1	4.02	9.3	28.0	69.7	23.1	33.2	373	6.5	2
89F00172	M	3	1	4.71	10.8	32.4	68.7	22.9	33.3	602	5.9	0
89F00173	M	3	1	4.21	9.8	29.5	70.1	23.3	33.2	648	6.5	0
Mean				4.358	10.10	30.26	69.42	23.16	33.34	468.0	6.04	0.4
Std Dev				0.304	0.80	2.16	0.88	0.49	0.32	145.1	0.50	0.9
SEM				0.136	0.36	0.97	0.39	0.22	0.14	64.9	0.22	0.4

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	1	5.41	11.2	34.9	64.6	20.7	32.1	440	6.5	0
89F00131	M	4	1	5.17	11.7	36.3	70.2	22.6	32.2	519	5.0	0
89F00157	M	4	1	5.20	11.9	35.0	67.4	22.9	34.0	499	6.8	0
89F00169	M	4	1	4.63	10.6	31.1	67.1	22.9	34.1	541	5.9	0
89F00258	M	4	1	2.99	8.8	25.1	83.8	29.4	35.1	628	8.6	9
Mean				4.680	10.84	32.48	70.62	23.70	33.50	525.4	6.56	1.8
Std Dev				0.988	1.25	4.56	7.63	3.32	1.31	68.5	1.33	4.0
SEM				0.442	0.56	2.04	3.41	1.48	0.58	30.7	0.60	1.8
89F00116	M	5	1	4.75	10.4	32.8	69.0	21.9	31.7	230	6.1	0
89F00128	M	5	1	5.32	11.2	34.7	65.3	21.1	32.3	168	5.3	0
89F00148	M	5	1	4.42	10.7	31.3	70.8	24.2	34.2	227	6.3	1
89F00259	M	5	1	4.60	9.9	29.7	64.5	21.5	33.3	294	8.5	3
89F00261	M	5	1	4.55	11.1	31.8	69.8	24.4	34.9	393	7.8	5
Mean				4.728	10.66	32.06	67.88	22.62	33.28	262.4	6.80	1.8
Std Dev				0.351	0.53	1.85	2.81	1.56	1.32	85.5	1.31	2.2
SEM				0.157	0.24	0.83	1.26	0.70	0.59	38.3	0.59	1.0
89F00120	M	6	1	4.93	11.2	32.5	65.9	22.7	34.5	404	5.9	0
89F00143	M	6	1	5.42	11.7	35.7	65.9	21.6	32.8	636	6.2	0
89F00149	M	6	1	4.53	10.4	30.2	66.7	23.0	34.4	572	6.5	0
89F00177	M	6	1	4.63	10.5	31.8	68.6	22.7	33.0	595	5.9	0
89F00263	M	6	1	4.51	10.4	30.9	68.5	23.1	33.7	408	8.2	0
Mean				4.804	10.84	32.22	67.12	22.62	33.68	523.0	6.54	0.0
Std Dev				0.383	0.59	2.13	1.35	0.60	0.78	109.2	0.96	0.0
SEM				0.171	0.26	0.95	0.60	0.27	0.35	48.9	0.43	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	1	5.30	10.8	34.4	64.9	20.4	31.4	519	4.8	0
89F00137	M	7	1	5.37	11.5	36.0	67.0	21.4	31.9	325	6.0	0
89F00164	M	7	1	4.92	11.6	34.0	69.2	23.6	34.1	577	5.0	0
89F00171	M	7	1	4.76	10.4	31.1	65.4	21.8	33.4	684	6.0	0
89F00264	M	7	1	4.44	9.4	28.5	64.2	21.2	33.0	399	9.0	1
Mean				4.958	10.74	32.80	66.14	21.68	32.76	500.8	6.16	0.2
Std Dev				0.386	0.90	2.98	2.00	1.19	1.10	142.3	1.68	0.4
SEM				0.173	0.40	1.33	0.89	0.53	0.49	63.6	0.75	0.2
89F00125	M	8	1	5.08	11.7	36.6	72.1	23.0	32.0	424	6.0	6
89F00145	M	8	1	4.81	10.7	32.3	67.2	22.2	33.1	498	5.6	0
89F00158	M	8	1	4.86	11.2	32.1	66.1	23.0	34.9	423	6.1	0
89F00165	M	8	1	5.28	11.7	35.2	66.6	22.2	33.2	602	5.3	0
89F00266	M	8	1	4.25	8.8	26.3	61.8	20.7	33.5	528	8.2	5
Mean				4.856	10.82	32.50	66.76	22.22	33.34	495.0	6.24	2.2
Std Dev				0.387	1.20	3.96	3.67	0.94	1.04	75.5	1.14	3.0
SEM				0.173	0.54	1.77	1.64	0.42	0.47	33.7	0.51	1.4
89F00121	M	9	1	3.97	9.4	28.6	72.1	23.7	32.9	301	5.4	7
89F00139	M	9	1	5.60	11.6	36.1	64.5	20.7	32.1	281	5.8	0
89F00151	M	9	1	4.75	10.9	33.2	69.8	22.9	32.8	649	6.0	0
89F00156	M	9	1	5.12	10.8	32.1	62.6	21.1	33.6	404	6.1	2
89F00267	M	9	1	4.29	10.3	30.0	70.0	24.0	34.3	500	9.0	2
Mean				4.746	10.60	32.00	67.80	22.48	33.14	427.0	6.46	2.2
Std Dev				0.648	0.82	2.91	4.04	1.50	0.84	151.9	1.44	2.9
SEM				0.290	0.36	1.30	1.81	0.67	0.37	67.9	0.65	1.3

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	1	7.8	38	0	2	0	59	1	0	5.8	50.6
89F00136	M	10	1	12.3	67	0	0	0	27	3	3	7.3	TNTC
89F00142	M	10	1	10.8	40	0	1	0	55	0	4	6.4	33.0
89F00168	M	10	1	7.7	32	0	0	0	62	0	6	7.5	TNTC
89F00175	M	10	1	11.0	31	0	0	0	66	0	3	6.0	TNTC
Mean				9.92	41.6	0.0	0.6	0.0	53.8	0.8	3.2	6.60	106.72
Std Dev				2.06	14.7	0.0	0.9	0.0	15.5	1.3	2.2	0.76	59.59
SEM				0.92	6.6	0.0	0.4	0.0	6.9	0.6	1.0	0.34	26.65

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	NET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	1	clot								5.4	50.8
89F00130	M	1	1	10.4	62	0	0	0	33	0	5	8.3	TNTC
89F00140	M	1	1	8.7	57	0	1	0	38	0	4	5.8	49.4
89F00155	M	1	1	8.9	69	0	0	0	24	2	5	4.0	TNTC
89F00166	M	1	1	7.6	45	0	0	0	52	2	1	7.5	39.7
Mean				8.90	58.3	0.0	0.3	0.0	36.8	1.0	3.8	6.20	87.98
Std Dev				1.15	10.1	0.0	0.5	0.0	11.7	1.2	1.9	1.71	56.78
SEM				0.58	5.1	0.0	0.3	0.0	5.9	0.6	0.9	0.77	25.39
89F00118	M	2	1	7.6	35	0	1	0	64	0	0	5.8	35.1
89F00132	M	2	1	9.3	37	0	0	0	58	3	2	5.6	TNTC
89F00141	M	2	1	8.8	33	0	0	0	64	0	3	TNTC	TNTC
89F00176	M	2	1	5.8	59	0	0	0	38	1	2	5.8	TNTC
89F00257	M	2	1	10.5	67	0	0	0	29	1	3	6.4	TNTC
Mean				8.40	46.2	0.0	0.2	0.0	50.6	1.0	2.0	5.90	127.02
Std Dev				1.79	15.7	0.0	0.4	0.0	16.1	1.2	1.2	0.35	51.38
SEM				0.80	7.0	0.0	0.2	0.0	7.2	0.5	0.5	0.17	22.98
89F00129	M	3	1	9.8	56	0	0	0	42	2	0	4.8	TNTC
89F00147	M	3	1	6.5	58	0	1	0	40	1	0	7.0	TNTC
89F00154	M	3	1	8.8	42	0	1	0	55	1	1	6.8	26.8
89F00172	M	3	1	7.8	50	0	0	0	49	0	1	6.3	TNTC
89F00173	M	3	1	8.0	75	0	0	0	23	0	2	5.4	TNTC
Mean				8.18	56.2	0.0	0.4	0.0	41.8	0.8	0.8	6.06	125.36
Std Dev				1.23	12.2	0.0	0.5	0.0	12.1	0.8	0.8	0.94	55.10
SEM				0.55	5.5	0.0	0.2	0.0	5.4	0.4	0.4	0.42	24.64

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	1	9.1	42	0	0	0	51	1	6	5.6	TNTC
89F00131	M	4	1	10.8	45	0	0	0	54	1	0	5.3	TNTC
89F00157	M	4	1	7.0	20	0	0	0	78	1	1	8.9	TNTC
89F00169	M	4	1	10.3	59	0	0	0	39	0	2	7.3	44.0
89F00258	M	4	1	16.4	43	0	0	0	53	2	2	8.0	TNTC
Mean				10.72	41.8	0.0	0.0	0.0	55.0	1.0	2.2	7.02	128.80
Std Dev				3.50	14.0	0.0	0.0	0.0	14.2	0.7	2.3	1.54	47.40
SEM				1.56	6.3	0.0	0.0	0.0	6.3	0.3	1.0	0.69	21.20
89F00116	M	5	1	8.9	45	0	1	0	51	3	0	6.8	TNTC
89F00128	M	5	1	12.3	18	0	0	0	80	2	0	5.4	TNTC
89F00148	M	5	1	12.8	35	0	0	0	63	0	2	7.2	TNTC
89F00259	M	5	1	6.8	54	0	0	0	44	0	2	7.4	TNTC
89F00261	M	5	1	7.5	64	0	0	0	35	0	1	8.2	TNTC
Mean				9.66	43.2	0.0	0.2	0.0	54.6	1.0	1.0	7.00	150.00
Std Dev				2.75	17.7	0.0	0.4	0.0	17.5	1.4	1.0	1.03	0.00
SEM				1.23	7.9	0.0	0.2	0.0	7.8	0.6	0.4	0.46	0.00
89F00120	M	6	1	10.7	48	0	1	0	49	1	1	6.5	TNTC
89F00143	M	6	1	12.1	48	0	1	0	44	4	3	5.4	28.3
89F00149	M	6	1	7.0	55	0	0	0	38	0	7	6.2	27.2
89F00177	M	6	1	6.1	26	0	0	0	70	1	3	6.3	TNTC
89F00263	M	6	1	9.0	46	0	0	0	52	0	2	6.1	TNTC
Mean				8.98	44.6	0.0	0.4	0.0	50.6	1.2	3.2	6.10	101.10
Std Dev				2.50	10.9	0.0	0.5	0.0	12.1	1.6	2.3	0.42	66.96
SEM				1.12	4.9	0.0	0.2	0.0	5.4	0.7	1.0	0.19	29.95

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	1	7.6	34	0	1	0	64	1	0	6.2	TNTC
89F00137	M	7	1	8.9	39	0	0	0	58	0	3	5.2	19.8
89F00164	M	7	1	10.4	50	0	0	0	50	0	0	7.3	TNTC
89F00171	M	7	1	8.9	33	0	0	0	63	2	2	6.6	TNTC
89F00264	M	7	1	9.0	49	0	0	0	49	0	2	10.5	TNTC
Mean				8.96	41.0	0.0	0.2	0.0	56.8	0.6	1.4	7.16	123.96
Std Dev				0.99	8.1	0.0	0.4	0.0	7.0	0.9	1.3	2.02	58.23
SEM				0.44	3.6	0.0	0.2	0.0	3.2	0.4	0.6	0.90	26.04
89F00125	M	8	1	10.9	34	0	1	0	65	0	0	6.8	TNTC
89F00145	M	8	1	10.4	47	0	0	0	49	0	4	5.2	55.1
89F00158	M	8	1	10.2	37	0	0	0	61	0	2	7.8	TNTC
89F00165	M	8	1	7.8	43	0	0	0	52	0	5	5.5	TNTC
89F00266	M	8	1	10.1	46	0	0	0	54	0	0	5.6	TNTC
Mean				9.88	41.4	0.0	0.2	0.0	56.2	0.0	2.2	6.18	131.02
Std Dev				1.20	5.7	0.0	0.4	0.0	6.6	0.0	2.3	1.09	42.44
SEM				0.54	2.5	0.0	0.2	0.0	3.0	0.0	1.0	0.49	18.98
89F00121	M	9	1	11.3	32	0	0	0	68	0	0	5.4	32.4
89F00139	M	9	1	9.7	26	0	0	0	71	2	1	5.8	TNTC
89F00151	M	9	1	8.7	50	0	0	0	47	1	2	10.0	TNTC
89F00156	M	9	1	10.5	41	0	0	0	55	1	3	8.0	TNTC
89F00267	M	9	1	10.0	35	0	0	0	60	0	5	10.8	TNTC
Mean				10.04	36.8	0.0	0.0	0.0	60.2	0.8	2.2	8.00	126.48
Std Dev				0.96	9.1	0.0	0.0	0.0	9.7	0.8	1.9	2.42	52.59
SEM				0.43	4.1	0.0	0.0	0.0	4.4	0.4	0.9	1.08	23.52

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	2	4.59	10.3	31.8	69.2	22.4	32.4	500	6.0	4
89F00136	M	10	2	4.53	11.3	30.9	68.3	24.9	36.6	702	6.1	0
89F00142	M	10	2	5.14	11.2	35.0	68.1	21.8	32.0	424	4.7	0
89F00168	M	10	2	4.37	9.9	29.3	67.1	22.7	33.8	528	6.2	0
89F00175	M	10	2	4.25	11.1	31.9	75.1	26.1	34.8	454	8.5	0
Mean				4.576	10.76	31.78	69.56	23.58	33.92	521.6	6.30	0.8
Std Dev				0.342	0.62	2.08	3.19	1.83	1.87	108.6	1.37	1.8
SEM				0.153	0.28	0.93	1.42	0.82	0.84	48.6	0.61	0.8

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	2	4.21	10.0	29.8	70.9	23.8	33.6	353	6.2	0
89F00130	M	1	2	4.80	10.8	31.8	66.2	22.5	34.0	358	6.8	0
89F00140	M	1	2	4.12	9.9	30.3	73.5	24.0	32.7	209	4.0	0
89F00155	M	1	2	4.71	10.4	30.6	65.0	22.1	34.0	594	6.0	0
89F00166	M	1	2	4.08	10.1	29.3	71.9	24.9	34.5	419	8.6	0
Mean				4.384	10.24	30.36	69.50	23.46	33.76	386.6	6.32	0.0
Std Dev				0.343	0.36	0.94	3.70	1.15	0.67	139.2	1.65	0.0
SEM				0.154	0.16	0.42	1.66	0.51	0.30	62.3	0.74	0.0
89F00118	M	2	2	4.93	10.5	32.3	65.5	21.3	32.5	367	6.2	0
89F00132	M	2	2	4.71	10.0	30.6	65.0	21.2	32.7	358	6.2	0
89F00141	M	2	2	4.73	11.1	33.3	70.3	23.5	33.3	369	6.7	0
89F00176	M	2	2	4.72	10.7	32.3	68.5	22.7	33.1	578	8.9	0
89F00257	M	2	2	4.83	10.3	32.0	66.4	21.4	32.2	631	7.4	0
Mean				4.784	10.52	32.10	67.14	22.02	32.76	460.6	7.08	0.0
Std Dev				0.095	0.41	0.97	2.22	1.03	0.44	132.8	1.13	0.0
SEM				0.042	0.19	0.43	0.99	0.46	0.20	59.4	0.51	0.0
89F00129	M	3	2	4.49	10.6	31.8	70.8	23.6	33.3	392	5.9	1
89F00147	M	3	2	3.74	8.7	25.8	68.9	23.3	33.7	371	5.9	0
89F00154	M	3	2	3.85	9.1	27.3	70.8	23.6	33.3	425	5.4	0
89F00172	M	3	2	4.49	10.4	31.2	69.5	23.2	33.3	597	8.6	0
89F00173	M	3	2	3.56	8.1	24.9	70.0	22.8	32.5	464	7.4	1
Mean				4.026	9.38	28.20	70.00	23.30	33.22	449.8	6.64	0.4
Std Dev				0.436	1.08	3.14	0.83	0.33	0.44	89.5	1.33	0.5
SEM				0.195	0.49	1.40	0.37	0.15	0.20	40.0	0.59	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	2	5.26	10.9	34.0	64.7	20.7	32.1	432	7.0	1
89F00131	M	4	2	4.86	11.4	34.7	71.5	23.5	32.9	538	6.1	0
89F00157	M	4	2	5.62	12.4	38.2	67.9	22.1	32.5	698	5.9	0
89F00169	M	4	2	4.26	10.1	28.9	67.8	23.7	34.9	475	7.7	0
89F00258	M	4	2	2.82	8.1	24.0	85.2	28.7	33.8	557	8.6	17
Mean				4.564	10.58	31.96	71.42	23.74	33.24	540.0	7.06	3.6
Std Dev				1.098	1.62	5.55	8.07	3.02	1.12	101.4	1.12	7.5
SEM				0.491	0.72	2.48	3.61	1.35	0.50	45.4	0.50	3.4
89F00116	M	5	2	4.66	10.3	32.4	69.5	22.1	31.8	236	6.0	3
89F00128	M	5	2	4.98	10.7	32.8	65.8	21.5	32.6	120	6.2	0
89F00148	M	5	2	3.82	9.1	27.0	70.6	23.8	33.7	200	5.7	0
89F00259	M	5	2	4.07	9.1	26.4	64.8	22.4	34.5	323	6.2	9
89F00261	M	5	2	4.69	10.7	32.5	69.3	22.8	32.9	365	8.5	8
Mean				4.444	9.98	30.22	68.00	22.52	33.10	248.8	6.52	4.0
Std Dev				0.481	0.82	3.22	2.54	0.86	1.04	97.7	1.13	4.3
SEM				0.215	0.37	1.44	1.14	0.38	0.46	43.7	0.50	1.9
89F00120	M	6	2	5.09	10.7	33.1	65.0	21.0	32.2	464	5.1	0
89F00143	M	6	2	4.88	10.9	32.7	67.1	22.3	33.3	578	5.4	0
89F00149	M	6	2	4.12	9.2	27.5	66.8	22.3	33.5	633	6.2	2
89F00177	M	6	2	4.33	10.2	30.0	69.2	23.6	34.0	491	7.5	0
89F00263	M	6	2	4.42	10.2	30.4	68.8	23.1	33.6	504	7.8	1
Mean				4.568	10.24	30.74	67.38	22.47	33.32	534.0	6.40	0.6
Std Dev				0.403	0.66	2.27	1.69	1.00	0.68	69.6	1.21	0.9
SEM				0.180	0.29	1.01	0.76	0.45	0.30	31.1	0.54	0.4

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	2	5.35	10.9	34.8	65.1	20.4	31.3	572	6.5	0
89F00137	M	7	2	4.71	10.4	32.1	68.1	22.1	32.4	323	6.8	0
89F00164	M	7	2	4.47	10.5	31.2	69.7	23.5	33.7	534	7.0	0
89F00171	M	7	2	4.44	9.9	29.4	66.3	22.3	33.7	618	6.9	0
89F00264	M	7	2	4.20	9.3	27.4	65.2	22.1	33.9	534	8.0	7
Mean				4.634	10.20	30.98	66.88	22.08	33.00	516.2	7.04	1.4
Std Dev				0.439	0.62	2.79	1.99	1.11	1.12	113.4	0.57	3.1
SEM				0.196	0.28	1.25	0.89	0.49	0.50	50.7	0.25	1.4
89F00125	M	8	2	4.66	11.2	33.8	72.6	24.0	33.1	463	5.8	3
89F00145	M	8	2	4.38	9.6	29.9	68.2	21.9	32.1	472	5.3	0
89F00158	M	8	2	4.59	10.4	30.7	66.9	22.7	33.9	423	6.5	0
89F00165	M	8	2	5.00	11.2	33.5	67.0	22.4	33.4	552	6.8	0
89F00266	M	8	2	3.68	7.7	23.1	62.7	20.9	33.3	476	11.1	25
Mean				4.462	10.02	30.20	67.48	22.38	33.16	477.2	7.10	5.6
Std Dev				0.491	1.46	4.32	3.54	1.13	0.66	46.8	2.31	10.9
SEM				0.219	0.65	1.93	1.58	0.51	0.30	20.9	1.03	4.9
89F00121	M	9	2	3.81	9.2	27.6	72.4	24.1	33.3	476	6.6	4
89F00139	M	9	2	4.80	10.2	31.7	66.0	21.3	32.2	341	5.7	1
89F00151	M	9	2	4.25	10.1	29.7	69.8	23.8	34.0	519	6.0	7
89F00156	M	9	2	4.61	10.1	29.3	63.6	21.9	34.5	391	5.9	0
89F00267	M	9	2	3.87	9.4	26.9	69.4	24.3	34.9	537	8.4	8
Mean				4.268	9.80	29.04	68.24	23.08	33.78	452.8	6.52	4.0
Std Dev				0.438	0.46	1.89	3.45	1.38	1.07	84.2	1.10	3.5
SEM				0.196	0.21	0.84	1.54	0.62	0.48	37.6	0.49	1.6

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	2	10.1	39	0	0	0	59	1	1	5.0	23.2
89F00136	M	10	2	16.8	50	0	0	0	49	0	1	5.6	TNTC
89F00142	M	10	2	9.9	67	0	0	0	31	2	0	7.0	72.6
89F00168	M	10	2	6.9	30	0	0	0	68	0	2	5.8	TNTC
89F00175	M	10	2	9.8	18	0	0	0	80	0	2	4.8	TNTC
Mean				10.70	40.8	0.0	0.0	0.0	57.4	0.6	1.2	5.64	109.16
Std Dev				3.66	18.8	0.0	0.0	0.0	18.7	0.9	0.8	0.86	58.59
SEM				1.63	8.4	0.0	0.0	0.0	8.3	0.4	0.4	0.39	26.20

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	2	10.0	41	0	0	0	58	1	0	6.0	TNTC
89F00130	M	1	2	9.2	59	0	0	0	36	0	5	7.8	TNTC
89F00140	M	1	2	7.9	30	0	0	0	69	1	0	7.0	44.8
89F00155	M	1	2	8.9	65	0	0	0	32	0	3	3.2	TNTC
89F00166	M	1	2	9.8	23	0	0	0	74	0	3	5.2	TNTC
Mean				9.16	43.6	0.0	0.0	0.0	53.8	0.4	2.2	5.84	128.96
Std Dev				0.83	18.1	0.0	0.0	0.0	19.0	0.5	2.2	1.77	47.05
SEM				0.37	8.1	0.0	0.0	0.0	8.5	0.2	1.0	0.79	21.04
89F00118	M	2	2	6.0	51	0	0	0	45	1	3	5.4	24.3
89F00132	M	2	2	8.7	21	0	0	0	78	1	0	6.8	18.0
89F00141	M	2	2	6.8	50	0	0	0	49	1	0	6.3	30.0
89F00176	M	2	2	6.6	47	0	0	0	50	0	3	6.8	TNTC
89F00257	M	2	2	9.0	36	0	0	0	60	2	2	6.1	38.7
Mean				7.42	41.0	0.0	0.0	0.0	56.4	1.0	1.6	6.28	52.20
Std Dev				1.34	12.7	0.0	0.0	0.0	13.3	0.7	1.5	0.58	55.20
SEM				0.60	5.7	0.0	0.0	0.0	5.9	0.3	0.7	0.26	24.69
89F00129	M	3	2	7.6	53	0	0	0	47	0	0	5.8	TNTC
89F00147	M	3	2	4.9	36	0	0	0	62	0	2	5.0	TNTC
89F00154	M	3	2	7.1	31	0	0	0	68	0	1	5.8	TNTC
89F00172	M	3	2	7.3	45	0	2	0	48	0	5	6.2	TNTC
89F00173	M	3	2	9.1	44	0	0	0	56	0	0	4.2	TNTC
Mean				7.20	41.8	0.0	0.4	0.0	56.2	0.0	1.6	5.40	150.00
Std Dev				1.51	8.5	0.0	0.9	0.0	9.0	0.0	2.1	0.80	0.00
SEM				0.67	3.8	0.0	0.4	0.0	4.0	0.0	0.9	0.36	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	2	11.2	37	0	0	0	56	1	6	6.0	58.6
89F00131	M	4	2	8.8	29	0	0	0	70	0	1	7.2	TNTC
89F00157	M	4	2	7.0	35	0	0	0	64	1	0	5.8	TNTC
89F00169	M	4	2	10.6	43	0	0	0	56	0	1	6.0	TNTC
89F00258	M	4	2	10.6	47	0	0	0	48	0	5	9.5	TNTC
Mean				9.64	38.2	0.0	0.0	0.0	58.8	0.4	2.6	6.90	131.72
Std Dev				1.73	7.0	0.0	0.0	0.0	8.4	0.5	2.7	1.56	40.88
SEM				0.77	3.1	0.0	0.0	0.0	3.8	0.2	1.2	0.70	18.28
89F00116	M	5	2	11.0	57	0	1	0	38	3	1	7.3	TNTC
89F00128	M	5	2	12.7	49	0	0	0	45	1	5	5.8	TNTC
89F00148	M	5	2	12.7	30	0	0	0	69	0	1	4.3	30.9
89F00259	M	5	2	4.9	37	0	0	0	57	2	4	9.5	TNTC
89F00261	M	5	2	8.0	33	0	0	0	64	0	3	5.8	TNTC
Mean				9.86	41.2	0.0	0.2	0.0	54.6	1.2	2.8	6.54	126.18
Std Dev				3.37	11.4	0.0	0.4	0.0	12.9	1.3	1.8	1.97	53.26
SEM				1.51	5.1	0.0	0.2	0.0	5.8	0.6	0.8	0.88	23.82
89F00120	M	6	2	6.5	50	0	0	0	44	3	3	5.4	24.6
89F00143	M	6	2	16.1	51	0	0	0	44	4	1	6.0	25.3
89F00149	M	6	2	8.0	46	0	0	0	51	0	3	4.3	28.0
89F00177	M	6	2	8.2	31	0	0	0	67	0	2	7.0	TNTC
89F00263	M	6	2	8.6	28	0	0	0	67	1	4	4.4	1.2
Mean				9.48	41.2	0.0	0.0	0.0	54.6	1.6	2.6	5.42	45.82
Std Dev				3.79	10.9	0.0	0.0	0.0	11.7	1.8	1.1	1.13	59.23
SEM				1.69	4.9	0.0	0.0	0.0	5.2	0.8	0.5	0.51	26.49

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	2	8.6	57	0	1	0	33	5	4	6.2	86.2
89F00137	M	7	2	7.7	51	0	0	0	47	1	1	6.8	50.6
89F00164	M	7	2	9.8	41	0	0	0	56	1	2	4.8	TNTC
89F00171	M	7	2	10.5	32	0	0	0	62	3	3	5.6	TNTC
89F00264	M	7	2	8.2	37	0	0	0	60	1	2	4.4	TNTC
Mean				8.96	43.6	0.0	0.2	0.0	51.6	2.2	2.4	5.56	117.36
Std Dev				1.16	10.2	0.0	0.4	0.0	11.9	1.8	1.1	0.98	46.43
SEM				0.52	4.6	0.0	0.2	0.0	5.3	0.8	0.5	0.44	20.77
89F00125	M	8	2	10.1	32	0	0	0	65	1	2	7.5	TNTC
89F00145	M	8	2	9.5	34	0	0	0	66	0	0	6.5	TNTC
89F00158	M	8	2	12.1	43	0	0	0	57	0	0	5.6	TNTC
89F00165	M	8	2	8.1	39	0	0	0	61	0	0	2.1	1.8
89F00266	M	8	2	8.1	46	0	0	0	52	0	2	5.2	TNTC
Mean				9.58	38.8	0.0	0.0	0.0	60.2	0.2	0.8	5.38	120.36
Std Dev				1.66	5.9	0.0	0.0	0.0	5.8	0.4	1.1	2.04	66.28
SEM				0.74	2.6	0.0	0.0	0.0	2.6	0.2	0.5	0.91	29.64
89F00121	M	9	2	12.7	58	0	0	0	41	1	0	5.5	47.1
89F00139	M	9	2	10.4	44	0	0	0	55	1	0	7.3	97.8
89F00151	M	9	2	7.9	67	0	0	0	32	0	1	5.2	TNTC
89F00156	M	9	2	13.5	55	0	0	0	44	1	0	5.9	TNTC
89F00267	M	9	2	9.9	27	0	0	0	71	1	1	5.2	48.5
Mean				10.88	50.2	0.0	0.0	0.0	48.6	0.8	0.4	5.64	98.68
Std Dev				2.25	15.4	0.0	0.0	0.0	15.0	0.4	0.5	0.94	51.10
SEM				1.01	6.9	0.0	0.0	0.0	6.7	0.2	0.2	0.42	22.85

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	3	4.11	9.5	28.7	69.9	23.1	33.1	407	6.5	4
89F00136	M	10	3	4.46	10.7	30.6	68.7	24.0	35.0	795	7.4	0
89F00142	M	10	3	5.18	11.5	35.3	68.1	22.2	32.6	424	6.6	0
89F00168	M	10	3	3.96	9.1	27.2	68.8	23.0	33.5	508	8.6	0
89F00175	M	10	3	4.22	10.8	31.8	75.4	25.6	34.0	389	8.1	0
Mean				4.386	10.32	30.72	70.18	23.58	33.64	504.6	7.44	0.8
Std Dev				0.480	0.99	3.11	2.99	1.30	0.92	168.6	0.92	1.8
SEM				0.215	0.44	1.39	1.34	0.58	0.41	75.4	0.41	0.8

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	3	5.24	11.2	35.6	67.9	21.4	31.5	452	5.7	3
89F00130	M	1	3	4.47	10.2	29.8	66.7	22.8	34.2	321	8.5	0
89F00140	M	1	3	4.06	9.6	29.9	73.7	23.6	32.1	212	6.8	1
89F00155	M	1	3	4.28	9.4	27.9	65.1	22.0	33.7	562	7.4	0
89F00166	M	1	3	4.22	10.1	30.0	71.1	23.9	33.7	417	8.2	0
Mean				4.454	10.10	30.64	68.90	22.74	33.04	392.8	7.32	0.8
Std Dev				0.463	0.70	2.91	3.47	1.05	1.17	132.8	1.13	1.3
SEM				0.207	0.31	1.30	1.55	0.47	0.52	59.4	0.50	0.6
89F00118	M	2	3	4.60	9.9	30.5	66.4	21.5	32.5	268	6.0	0
89F00132	M	2	3	4.63	9.4	30.6	66.1	20.3	30.7	305	6.7	0
89F00141	M	2	3	4.33	10.1	30.9	71.4	23.3	32.7	439	6.1	0
89F00176	M	2	3	4.26	10.4	29.4	69.1	23.7	34.4	539	7.2	0
89F00257	M	2	3	4.46	10.0	29.7	66.5	22.4	33.7	518	8.8	2
Mean				4.456	9.96	30.22	67.90	22.24	32.80	413.8	6.96	0.4
Std Dev				0.162	0.36	0.64	2.30	1.38	1.40	122.7	1.14	0.9
SEM				0.073	0.16	0.29	1.03	0.62	0.63	54.9	0.51	0.4
89F00129	M	3	3	4.16	9.8	29.4	70.7	23.6	33.3	382	6.9	0
89F00147	M	3	3	3.62	8.5	25.3	69.8	23.5	33.6	437	8.6	1
89F00154	M	3	3	3.30	8.0	24.1	73.1	24.2	33.2	312	8.3	0
89F00172	M	3	3	4.08	9.5	28.2	69.2	23.3	33.7	504	7.4	0
89F00173	M	3	3	3.54	8.3	24.9	70.4	23.4	33.3	548	7.5	0
Mean				3.740	8.82	26.38	70.64	23.60	33.42	436.6	7.74	0.2
Std Dev				0.367	0.79	2.29	1.49	0.35	0.22	94.2	0.69	0.4
SEM				0.164	0.35	1.02	0.67	0.16	0.10	42.1	0.31	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	3	4.63	9.9	30.5	65.9	21.4	32.5	439	6.3	0
89F00131	M	4	3	5.06	11.6	35.7	70.5	22.9	32.5	507	6.2	1
89F00157	M	4	3	5.85	13.3	40.3	68.9	22.7	33.0	837	7.2	0
89F00169	M	4	3	4.65	10.4	31.5	67.7	22.4	33.0	582	8.8	0
89F00258	M	4	3	2.89	8.1	24.2	83.8	28.0	33.5	334	10.5	21
Mean				4.617	10.66	32.44	71.36	23.48	32.90	539.8	7.80	4.4
Std Dev				1.084	1.94	6.02	7.15	2.59	0.42	189.5	1.83	9.3
SEM				0.485	0.87	2.69	3.20	1.16	0.19	84.8	0.82	4.2
89F00116	M	5	3	4.88	10.7	34.4	70.5	21.9	31.1	256	6.2	0
89F00128	M	5	3	4.69	10.2	31.2	66.5	21.7	32.7	122	6.0	0
89F00148	M	5	3	3.73	9.6	27.1	72.7	25.7	35.4	249	8.0	3
89F00259	M	5	3	3.85	8.3	24.9	64.8	21.6	33.3	451	8.7	2
89F00261	M	5	3	4.43	10.1	31.0	69.9	22.8	32.6	347	10.4	10
Mean				4.316	9.78	29.72	68.88	22.74	33.02	285.0	7.86	3.0
Std Dev				0.508	0.91	3.74	3.18	1.72	1.56	122.6	1.83	4.1
SEM				0.227	0.41	1.67	1.42	0.77	0.70	54.8	0.82	1.8
89F00120	M	6	3	4.16	9.6	28.3	68.1	23.1	33.9	421	4.7	5
89F00143	M	6	3	4.98	10.8	33.0	66.2	21.7	32.7	836	6.0	0
89F00149	M	6	3	4.14	9.8	28.3	68.3	23.7	34.6	685	7.9	1
89F00177	M	6	3	4.34	10.3	30.1	69.4	23.7	34.2	480	7.3	0
89F00263	M	6	3	4.37	10.3	30.3	69.3	23.6	34.0	448	7.8	2
Mean				4.398	10.16	30.00	68.26	23.16	33.88	574.0	6.74	1.6
Std Dev				0.341	0.47	1.93	1.29	0.85	0.71	179.6	1.37	2.1
SEM				0.153	0.21	0.86	0.58	0.38	0.32	80.3	0.61	0.9

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	3	4.93	10.6	32.3	65.6	21.5	32.8	427	6.0	0
89F00137	M	7	3	4.59	10.1	31.4	68.5	22.0	32.2	289	6.5	0
89F00164	M	7	3	4.39	10.3	30.9	70.4	23.5	33.3	606	7.8	0
89F00171	M	7	3	3.89	8.7	25.9	66.7	22.4	33.6	520	8.1	2
89F00264	M	7	3	4.15	8.7	27.3	65.7	21.0	31.9	479	8.8	9
Mean				4.390	9.68	29.56	67.38	22.08	32.76	464.2	7.44	2.2
Std Dev				0.400	0.91	2.79	2.05	0.95	0.72	117.8	1.16	3.9
SEM				0.179	0.41	1.25	0.92	0.43	0.32	52.7	0.52	1.7
89F00125	M	8	3	4.55	10.5	33.2	73.0	23.1	31.6	393	5.6	3
89F00145	M	8	3	4.25	9.3	28.8	67.8	21.9	32.3	475	6.6	0
89F00158	M	8	3	4.31	9.9	29.3	68.0	23.0	33.8	449	8.8	0
89F00165	M	8	3	4.44	10.4	29.8	67.2	23.4	34.9	314	8.8	0
89F00266	M	8	3	3.71	7.7	23.2	62.4	20.8	33.2	387	11.9	25
Mean				4.252	9.56	28.86	67.68	22.44	33.16	403.6	8.34	5.6
Std Dev				0.325	1.14	3.60	3.76	1.08	1.29	62.4	2.43	10.9
SEM				0.145	0.51	1.61	1.68	0.48	0.57	27.9	1.09	4.9
89F00121	M	9	3	3.28	8.2	24.3	74.2	25.0	33.7	361	5.6	2
89F00139	M	9	3	4.47	9.5	29.6	66.2	21.3	32.1	330	6.7	0
89F00151	M	9	3	4.01	9.3	28.2	70.2	23.2	33.0	290	8.5	0
89F00156	M	9	3	4.42	9.5	28.2	63.7	21.5	33.7	397	8.1	0
89F00267	M	9	3	4.12	9.8	28.9	70.1	23.8	33.9	592	8.2	3
Mean				4.060	9.26	27.84	68.88	22.96	33.28	394.0	7.42	1.0
Std Dev				0.478	0.62	2.06	4.05	1.57	0.74	117.5	1.23	1.4
SEM				0.214	0.28	0.92	1.81	0.70	0.33	52.5	0.55	0.6

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	3	7.6	66	0	0	0	33	1	0	6.3	22.2
89F00136	M	10	3	9.9	34	0	0	0	62	1	3	5.2	TNTC
89F00142	M	10	3	9.0	29	0	0	0	71	0	0	8.2	129.4
89F00168	M	10	3	8.7	29	0	0	0	69	0	2	5.8	TNTC
89F00175	M	10	3	7.7	36	0	0	0	62	0	2	NT	NT
Mean				8.58	38.8	0.0	0.0	0.0	59.4	0.4	1.4	6.38	112.90
Std Dev				0.96	15.5	0.0	0.0	0.0	15.3	0.5	1.3	1.30	61.24
SEM				0.43	6.9	0.0	0.0	0.0	6.8	0.2	0.6	0.65	30.62

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	3	9.9	37	0	0	0	63	0	0	6.2	28.3
89F00130	M	1	3	9.7	31	0	0	0	66	3	0	NT	NT
89F00140	M	1	3	8.0	48	0	0	0	52	0	0	7.8	TNTC
89F00155	M	1	3	10.8	66	0	0	0	32	0	2	5.8	TNTC
89F00166	M	1	3	10.2	22	0	0	0	78	1	0	NT	NT
Mean				9.72	40.8	0.0	0.0	0.0	58.2	0.8	0.4	6.60	109.43
Std Dev				1.05	17.0	0.0	0.0	0.0	17.3	1.3	0.9	1.06	70.26
SEM				0.47	7.6	0.0	0.0	0.0	7.7	0.6	0.4	0.61	40.57
89F00118	M	2	3	5.4	21	0	0	0	78	0	1	6.0	25.8
89F00132	M	2	3	7.4	35	0	0	0	62	0	3	7.0	TNTC
89F00141	M	2	3	8.5	38	0	0	0	61	0	1	7.8	TNTC
89F00176	M	2	3	6.5	52	0	0	0	46	0	2	NT	NT
89F00257	M	2	3	6.0	60	0	0	0	38	2	0	10.6	TNTC
Mean				6.76	41.2	0.0	0.0	0.0	57.0	0.4	1.4	7.85	118.95
Std Dev				1.22	15.2	0.0	0.0	0.0	15.5	0.9	1.1	1.98	62.10
SEM				0.54	6.8	0.0	0.0	0.0	6.9	0.4	0.5	0.99	31.05
89F00129	M	3	3	6.0	32	0	0	0	67	1	0	6.3	TNTC
89F00147	M	3	3	6.1	59	0	0	0	41	0	0	6.8	TNTC
89F00154	M	3	3	7.7	59	0	0	0	39	0	2	3.2	TNTC
89F00172	M	3	3	6.7	38	0	0	0	61	0	1	NT	NT
89F00173	M	3	3	7.1	57	0	0	0	42	1	0	NT	NT
Mean				6.72	49.0	0.0	0.0	0.0	50.0	0.4	0.6	5.43	150.00
Std Dev				0.71	13.0	0.0	0.0	0.0	13.0	0.5	0.9	1.95	0.00
SEM				0.32	5.8	0.0	0.0	0.0	5.8	0.2	0.4	0.98	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	3	11.1	28	0	0	0	72	0	0	6.5	44.6
89F00131	M	4	3	8.8	21	0	0	0	76	2	1	7.0	29.7
89F00157	M	4	3	8.6	50	0	0	0	47	2	1	2.5	TNTC
89F00169	M	4	3	11.1	60	0	0	0	36	0	4	NT	NT
89F00258	M	4	3	11.2	17	0	0	0	83	0	0	10.2	TNTC
Mean				10.16	35.2	0.0	0.0	0.0	62.8	0.8	1.2	6.55	93.58
Std Dev				1.34	18.8	0.0	0.0	0.0	20.2	1.1	1.6	3.16	65.44
SEM				0.60	8.4	0.0	0.0	0.0	9.0	0.5	0.7	1.58	29.26
89F00116	M	5	3	7.8	62	0	0	0	27	2	9	6.8	83.8
89F00128	M	5	3	10.2	16	0	0	0	84	0	0	6.6	TNTC
89F00148	M	5	3	16.2	40	0	0	0	56	1	3	4.6	TNTC
89F00259	M	5	3	7.7	25	0	1	0	73	1	0	11.8	TNTC
89F00261	M	5	3	9.6	34	0	0	0	60	2	4	10.5	TNTC
Mean				10.30	35.4	0.0	0.2	0.0	60.0	1.2	3.2	8.06	136.76
Std Dev				3.48	17.4	0.0	0.4	0.0	21.5	0.8	3.7	2.98	29.61
SEM				1.55	7.8	0.0	0.2	0.0	9.6	0.4	1.7	1.33	13.24
89F00120	M	6	3	8.7	32	0	0	0	64	2	2	6.8	TNTC
89F00143	M	6	3	11.9	59	0	0	0	40	0	1	5.8	44.9
89F00149	M	6	3	8.1	46	0	0	0	46	1	7	4.3	TNTC
89F00177	M	6	3	9.1	42	0	0	0	54	1	3	NT	NT
89F00263	M	6	3	7.2	49	0	0	0	50	0	1	9.2	TNTC
Mean				9.00	45.6	0.0	0.0	0.0	50.8	0.8	2.8	6.53	123.73
Std Dev				1.77	9.9	0.0	0.0	0.0	9.0	0.8	2.5	2.06	52.55
SEM				0.79	4.4	0.0	0.0	0.0	4.0	0.4	1.1	1.03	26.28

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	3	4.7	27	0	0	0	73	0	0	6.5	28.2
89F00137	M	7	3	7.8	45	0	1	0	51	2	1	12.2	23.6
89F00164	M	7	3	9.4	25	0	0	0	26	0	4	NT	NT
89F00171	M	7	3	11.7	34	0	0	0	65	0	1	NT	NT
89F00264	M	7	3	8.3	24	0	0	0	76	0	0	9.2	TNTC
Mean				8.38	31.0	0.0	0.2	0.0	58.2	0.4	1.2	9.30	67.27
Std Dev				2.55	8.7	0.0	0.4	0.0	20.4	0.9	1.6	2.85	71.69
SEM				1.14	3.9	0.0	0.2	0.0	9.1	0.4	0.7	1.65	41.39
89F00125	M	8	3	8.7	29	0	0	0	70	1	0	7.3	TNTC
89F00145	M	8	3	6.9	47	0	0	0	49	0	4	8.4	TNTC
89F00158	M	8	3	10.2	51	0	0	0	45	3	1	7.6	TNTC
89F00165	M	8	3	7.0	32	0	0	0	67	0	1	NT	NT
89F00266	M	8	3	5.9	38	0	1	0	60	1	0	10.0	TNTC
Mean				7.74	39.4	0.0	0.2	0.0	58.2	1.0	1.2	8.33	150.00
Std Dev				1.70	9.4	0.0	0.4	0.0	10.9	1.2	1.6	1.21	0.00
SEM				0.76	4.2	0.0	0.2	0.0	4.9	0.5	0.7	0.60	0.00
89F00121	M	9	3	9.9	71	0	0	0	29	0	0	6.5	35.0
89F00139	M	9	3	10.1	46	0	0	0	53	1	0	8.4	TNTC
89F00151	M	9	3	7.3	41	0	0	0	55	2	2	10.0	TNTC
89F00156	M	9	3	11.5	63	0	0	0	36	1	0	7.2	TNTC
89F00267	M	9	3	7.2	41	0	0	0	55	2	2	9.8	TNTC
Mean				9.20	52.4	0.0	0.0	0.0	45.6	1.2	0.8	8.38	127.00
Std Dev				1.88	13.8	0.0	0.0	0.0	12.2	0.8	1.1	1.55	51.43
SEM				0.84	6.2	0.0	0.0	0.0	5.5	0.4	0.5	0.69	23.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	7	4.44	10.7	31.6	71.1	24.1	33.9	534	6.0	0
89F00136	M	10	7	5.34	11.6	35.7	66.9	21.7	32.5	844	7.4	0
89F00142	M	10	7	5.18	11.4	34.9	67.3	22.0	32.7	446	6.5	0
89F00168	M	10	7	4.26	9.9	30.2	71.0	23.2	32.8	401	7.5	0
89F00175	M	10	7	3.90	10.1	30.0	76.8	25.9	33.7	645	8.9	0
Mean				4.624	10.74	32.48	70.62	23.38	33.12	574.0	7.26	0.0
Std Dev				0.615	0.76	2.66	3.98	1.70	0.63	177.4	1.11	0.0
SEM				0.275	0.34	1.19	1.78	0.76	0.28	79.3	0.50	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	7	4.24	10.2	30.7	72.4	24.1	33.2	450	5.8	0
89F00130	M	1	7	4.76	10.5	32.1	67.4	22.1	32.7	117	8.7	0
89F00140	M	1	7	3.90	10.1	29.2	74.8	25.9	34.6	194	5.8	0
89F00155	M	1	7	4.30	9.2	27.6	64.2	21.4	33.3	494	7.5	0
89F00166	M	1	7	3.79	9.5	28.3	74.7	25.1	33.6	360	5.9	0
Mean				4.198	9.90	29.58	70.70	23.72	33.48	323.0	6.74	0.0
Std Dev				0.382	0.53	1.82	4.71	1.92	0.70	162.6	1.31	0.0
SEM				0.171	0.24	0.82	2.11	0.86	0.32	72.7	0.59	0.0
89F00118	M	2	7	4.44	9.8	29.4	66.3	22.1	33.3	488	5.8	0
89F00132	M	2	7	3.99	8.9	26.6	66.6	22.3	33.5	596	6.0	1
89F00141	M	2	7	4.24	10.5	30.9	72.8	24.8	34.0	371	6.1	0
89F00176	M	2	7	4.47	10.5	32.0	71.6	23.5	32.8	418	5.6	1
89F00257	M	2	7	4.56	10.1	31.1	68.1	22.1	32.5	481	9.4	0
Mean				4.340	9.96	30.00	69.08	22.96	33.22	470.8	6.58	0.4
Std Dev				0.228	0.66	2.12	2.96	1.18	0.59	84.9	1.59	0.5
SEM				0.102	0.30	0.95	1.32	0.53	0.26	38.0	0.71	0.2
89F00129	M	3	7	3.53	8.7	24.7	69.9	24.6	35.2	274	5.7	0
89F00147	M	3	7	3.80	8.7	26.9	70.7	22.9	32.3	308	7.1	0
89F00154	M	3	7	2.75	7.0	21.8	79.3	25.5	32.1	422	7.9	0
89F00172	M	3	7	3.77	8.7	26.6	70.6	23.1	32.7	385	8.3	0
89F00173	M	3	7	2.87	6.7	21.2	73.7	23.3	31.6	575	5.1	0
Mean				3.344	7.96	24.24	72.84	23.88	32.78	392.8	6.82	0.0
Std Dev				0.500	1.02	2.65	3.90	1.12	1.41	117.7	1.38	0.0
SEM				0.224	0.46	1.18	1.74	0.50	0.63	52.6	0.62	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	7	4.76	10.5	31.7	66.6	22.1	33.1	400	5.9	2
89F00131	M	4	7	4.44	10.5	31.1	70.0	23.6	33.8	485	6.7	0
89F00157	M	4	7	6.21	14.0	42.6	68.6	22.5	32.9	589	8.0	0
89F00169	M	4	7	4.24	10.1	29.6	69.8	23.8	34.1	520	6.7	0
89F00258	M	4	7	3.28	8.6	25.4	77.5	26.2	33.9	772	10.0	0
Mean				4.586	10.74	32.08	70.50	23.64	33.56	553.2	7.46	0.4
Std Dev				1.062	1.98	6.37	4.14	1.60	0.53	140.0	1.61	0.9
SEM				0.475	0.89	2.85	1.85	0.72	0.24	62.6	0.72	0.4
89F00116	M	5	7	4.69	10.8	33.1	70.6	23.0	32.6	258	5.8	0
89F00128	M	5	7	4.81	10.8	32.1	66.8	22.5	33.6	131	5.9	0
89F00148	M	5	7	4.03	9.6	29.4	72.9	23.8	32.7	304	8.6	0
89F00259	M	5	7	3.67	8.1	24.4	66.6	22.1	33.2	869	10.6	0
89F00261	M	5	7	3.78	8.7	25.8	68.3	23.0	33.7	726	8.6	2
Mean				4.196	9.60	28.96	69.04	22.88	33.16	457.6	7.90	0.4
Std Dev				0.524	1.22	3.81	2.69	0.64	0.50	320.7	2.04	0.9
SEM				0.234	0.54	1.70	1.20	0.29	0.22	143.4	0.91	0.4
89F00120	M	6	7	4.57	10.1	30.4	66.6	22.1	33.2	488	6.2	0
89F00143	M	6	7	5.02	11.1	33.2	66.2	22.1	33.4	809	6.3	0
89F00149	M	6	7	4.51	10.1	30.5	67.7	22.4	33.1	368	7.8	0
89F00177	M	6	7	4.64	10.6	32.6	70.2	22.8	32.5	475	6.1	0
89F00263	M	6	7	3.73	8.5	25.9	69.2	22.8	32.9	701	9.8	0
Mean				4.494	10.08	30.52	67.98	22.44	33.02	568.2	7.24	0.0
Std Dev				0.471	0.98	2.87	1.70	0.35	0.34	180.8	1.59	0.0
SEM				0.211	0.44	1.28	0.76	0.16	0.15	80.9	0.71	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	7	4.73	10.3	31.4	66.3	21.8	32.8	370	6.0	0
89F00137	M	7	7	4.20	9.8	29.3	69.8	23.3	33.4	353	6.4	0
89F00164	M	7	7	3.37	8.0	24.5	72.6	23.7	32.7	571	7.8	4
89F00171	M	7	7	3.96	9.0	27.8	70.3	22.7	32.4	437	8.7	0
89F00264	M	7	7	4.43	9.3	29.5	66.5	21.0	31.5	573	10.2	2
Mean				4.138	9.28	28.50	69.10	22.50	32.56	460.8	7.82	1.2
Std Dev				0.515	0.87	2.58	2.68	1.10	0.69	106.3	1.72	1.8
SEM				0.230	0.39	1.15	1.20	0.49	0.31	47.5	0.77	0.8
89F00125	M	8	7	4.59	10.9	33.8	73.6	23.7	32.2	317	6.2	0
89F00145	M	8	7	4.01	9.3	27.5	68.7	23.2	33.8	488	5.9	0
89F00158	M	8	7	4.08	9.3	28.6	70.1	22.8	32.5	296	8.3	0
89F00165	M	8	7	4.20	9.9	29.4	69.9	23.6	33.7	296	8.1	0
89F00266	M	8	7									
Mean				4.220	9.85	29.83	70.58	23.33	33.05	349.3	7.13	0.0
Std Dev				0.259	0.75	2.76	2.11	0.41	0.82	93.0	1.25	0.0
SEM				0.129	0.38	1.38	1.05	0.21	0.41	46.5	0.63	0.0
89F00121	M	9	7	3.48	8.3	25.8	74.0	23.9	32.2	568	5.7	1
89F00139	M	9	7	4.19	9.4	28.2	67.4	22.4	33.3	271	6.5	1
89F00151	M	9	7	3.56	8.7	26.5	74.3	24.4	32.8	501	8.0	0
89F00156	M	9	7	3.52	7.7	23.4	66.4	21.9	32.9	433	7.8	0
89F00267	M	9	7	3.40	8.2	24.8	72.9	24.1	33.1	491	9.9	2
Mean				3.630	8.46	25.74	71.00	23.34	32.86	452.8	7.58	0.8
Std Dev				0.319	0.63	1.80	3.80	1.11	0.42	112.4	1.61	0.8
SEM				0.142	0.28	0.81	1.70	0.50	0.19	50.2	0.72	0.4

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	7	8.9	53	0	0	0	44	1	2	7.8	67.4
89F00136	M	10	7	7.7	44	0	0	0	48	2	6	5.8	42.8
89F00142	M	10	7	11.0	36	0	0	0	63	0	1	9.8	TNTC
89F00168	M	10	7	7.1	21	0	0	0	75	2	2	6.3	TNTC
89F00175	M	10	7	13.3	30	0	0	0	69	1	0	8.3	TNTC
Mean				9.60	36.8	0.0	0.0	0.0	59.8	1.2	2.2	7.60	112.04
Std Dev				2.55	12.4	0.0	0.0	0.0	13.4	0.8	2.3	1.60	52.70
SEM				1.14	5.5	0.0	0.0	0.0	6.0	0.4	1.0	0.72	23.57

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	7	7.9	24	0	0	0	74	0	2	5.6	TNTC
89F00130	M	1	7	4.6	44	0	0	0	56	0	0	8.2	67.5
89F00140	M	1	7	6.0	50	0	0	0	49	0	1	11.6	TNTC
89F00155	M	1	7	8.2	33	0	0	0	65	1	1	8.3	TNTC
89F00166	M	1	7	6.3	43	0	0	0	53	2	2	11.2	TNTC
Mean				6.60	38.8	0.0	0.0	0.0	59.4	0.6	1.2	8.98	133.50
Std Dev				1.47	10.3	0.0	0.0	0.0	10.1	0.9	0.8	2.46	36.90
SEM				0.66	4.6	0.0	0.0	0.0	4.5	0.4	0.4	1.10	16.50
89F00118	M	2	7	8.9	29	0	0	0	71	0	0	5.8	87.2
89F00132	M	2	7	6.8	30	0	0	0	70	0	0	14.0	TNTC
89F00141	M	2	7	5.3	40	0	0	0	60	0	0	9.5	39.2
89F00176	M	2	7	4.8	46	0	0	0	52	2	0	7.0	TNTC
89F00257	M	2	7	10.3	56	0	0	0	42	1	1	7.3	TNTC
Mean				7.22	40.2	0.0	0.0	0.0	59.0	0.6	0.2	8.72	115.28
Std Dev				2.35	11.3	0.0	0.0	0.0	12.3	0.9	0.4	3.24	50.48
SEM				1.05	5.1	0.0	0.0	0.0	5.5	0.4	0.2	1.45	22.58
89F00129	M	3	7	5.9	43	0	0	0	54	0	3	8.8	TNTC
89F00147	M	3	7	4.5	37	0	0	0	62	0	1	6.5	40.8
89F00154	M	3	7	6.2	32	0	0	0	66	0	2	5.6	TNTC
89F00172	M	3	7	6.1	63	0	0	0	32	2	4	7.2	TNTC
89F00173	M	3	7	3.7	70	0	0	0	29	1	0	7.2	TNTC
Mean				5.28	49.0	0.0	0.0	0.0	48.6	0.6	2.0	7.06	128.16
Std Dev				1.12	16.6	0.0	0.0	0.0	17.1	0.9	1.6	1.17	48.84
SEM				0.50	7.4	0.0	0.0	0.0	7.7	0.4	0.7	0.52	21.84

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	7	10.4	63	0	0	0	36	0	1	10.8	TNTC
89F00131	M	4	7	9.2	46	0	0	0	54	0	0	8.9	TNTC
89F00157	M	4	7	4.5	36	0	0	0	59	2	3	5.8	23.9
89F00169	M	4	7	9.7	40	0	0	0	56	2	2	8.8	TNTC
89F00258	M	4	7	8.1	51	0	0	0	46	3	0	6.4	TNTC
Mean				8.38	47.2	0.0	0.0	0.0	50.2	1.4	1.2	8.14	124.78
Std Dev				2.33	10.5	0.0	0.0	0.0	9.3	1.3	1.3	2.04	56.39
SEM				1.04	4.7	0.0	0.0	0.0	4.2	0.6	0.6	0.91	25.22
89F00116	M	5	7	8.9	40	0	0	0	58	1	1	7.3	TNTC
89F00128	M	5	7	9.5	29	0	0	0	69	1	1	7.3	63.4
89F00148	M	5	7	8.8	33	0	0	0	67	0	0	6.0	28.5
89F00259	M	5	7	9.9	47	0	0	0	47	5	1	5.5	TNTC
89F00261	M	5	7	7.6	71	0	0	0	26	3	0	3.0	NT
Mean				8.94	44.0	0.0	0.0	0.0	53.4	2.0	0.6	5.82	97.98
Std Dev				0.87	16.6	0.0	0.0	0.0	17.6	2.0	0.5	1.77	61.74
SEM				0.39	7.4	0.0	0.0	0.0	7.9	0.9	0.2	0.79	30.87
89F00120	M	6	7	9.1	48	0	1	0	49	0	2	6.3	TNTC
89F00143	M	6	7	6.9	53	0	0	0	42	1	4	6.3	40.2
89F00149	M	6	7	7.8	49	0	0	0	48	0	3	5.5	27.6
89F00177	M	6	7	5.3	31	0	0	0	63	0	6	7.0	35.0
89F00263	M	6	7	9.0	46	0	0	0	50	4	0	6.4	TNTC
Mean				7.62	45.4	0.0	0.2	0.0	50.4	1.0	3.0	6.30	80.56
Std Dev				1.58	8.4	0.0	0.4	0.0	7.7	1.7	2.2	0.53	63.55
SEM				0.71	3.8	0.0	0.2	0.0	3.4	0.8	1.0	0.24	28.42

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	7	6.7	27	0	0	0	69	0	4	7.2	TNTC
89F00137	M	7	7	9.2	64	0	1	0	32	2	1	7.2	81.1
89F00164	M	7	7	9.8	25	0	0	0	72	1	2	7.2	50.4
89F00171	M	7	7	6.9	32	0	0	0	67	0	1	9.3	TNTC
89F00264	M	7	7	8.5	28	0	0	0	69	2	1	10.0	26.4
Mean				8.22	35.2	0.0	0.2	0.0	61.8	1.0	1.8	8.18	91.58
Std Dev				1.38	16.3	0.0	0.4	0.0	16.8	1.0	1.3	1.36	56.74
SEM				0.62	7.3	0.0	0.2	0.0	7.5	0.4	0.6	0.61	25.38
89F00125	M	8	7	7.7	30	0	0	0	68	2	0	9.8	TNTC
89F00145	M	8	7	8.1	57	0	0	0	40	1	2	7.2	TNTC
89F00158	M	8	7	6.1	40	0	0	0	60	0	0	6.3	TNTC
89F00165	M	8	7	5.8	36	0	0	0	64	0	0	8.6	37.0
89F00266	M	8	7	died									
Mean				6.93	40.8	0.0	0.0	0.0	58.0	0.8	0.5	7.98	121.75
Std Dev				1.14	11.6	0.0	0.0	0.0	12.4	1.0	1.0	1.54	56.50
SEM				0.57	5.8	0.0	0.0	0.0	6.2	0.5	0.5	0.77	28.25
89F00121	M	9	7	7.0	60	0	1	0	40	0	0	6.4	51.4
89F00139	M	9	7	5.9	43	0	0	0	57	0	0	10.0	TNTC
89F00151	M	9	7	5.7	57	0	0	0	39	1	3	6.2	54.8
89F00156	M	9	7	9.4	58	0	0	0	39	1	2	5.2	62.3
89F00267	M	9	7	6.7	43	0	0	0	54	3	0	7.4	63.4
Mean				6.94	52.2	0.0	0.2	0.0	45.8	1.0	1.0	7.04	76.38
Std Dev				1.48	8.5	0.0	0.4	0.0	8.9	1.2	1.4	1.83	41.46
SEM				0.66	3.8	0.0	0.2	0.0	4.0	0.5	0.6	0.82	18.54

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00124	M	10	14	4.47	10.5	31.2	69.8	23.5	33.7	678	7.0	0
89F00136	M	10	14	4.77	10.3	31.7	66.5	21.6	32.5	822	9.3	7
89F00142	M	10	14	5.54	12.0	37.8	68.3	21.7	31.7	547	8.2	0
89F00168	M	10	14	4.92	10.5	32.8	66.7	21.3	32.0	868	8.1	0
89F00175	M	10	14	4.37	10.1	31.1	71.2	23.1	32.5	836	8.5	0
Mean				4.814	10.68	32.92	68.50	22.24	32.48	750.2	8.22	1.4
Std Dev				0.463	0.76	2.81	2.02	0.99	0.76	135.0	0.83	3.1
SEM				0.207	0.34	1.26	0.90	0.44	0.34	60.4	0.37	1.4

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00126	M	1	14	4.21	10.3	30.7	72.9	24.5	33.6	454	6.9	0
89F00130	M	1	14	3.76	7.8	24.7	65.8	20.7	31.6	243	8.4	0
89F00140	M	1	14	3.52	9.3	26.4	75.0	26.4	35.2	250	5.2	0
89F00155	M	1	14	4.40	9.3	29.1	66.2	21.1	32.0	655	7.8	0
89F00166	M	1	14	3.82	8.7	26.9	70.3	22.8	32.3	915	8.6	0
Mean				3.942	9.08	27.56	70.04	23.10	32.94	503.4	7.38	0.0
Std Dev				0.356	0.92	2.36	4.05	2.38	1.47	285.9	1.39	0.0
SEM				0.159	0.41	1.05	1.81	1.07	0.66	127.8	0.62	0.0
89F00118	M	2	14	3.94	8.7	26.2	66.5	22.1	33.2	766	8.0	0
89F00132	M	2	14	4.14	9.3	27.7	67.0	22.5	33.6	492	8.8	0
89F00141	M	2	14	4.03	10.1	29.7	73.8	25.1	34.0	391	8.8	0
89F00176	M	2	14	4.12	10.1	30.0	72.7	24.5	33.7	273	8.3	0
89F00257	M	2	14	4.17	9.8	28.9	69.2	23.5	33.9	437	5.7	0
Mean				4.080	9.60	28.50	69.84	23.54	33.68	471.8	7.92	0.0
Std Dev				0.094	0.60	1.56	3.30	1.28	0.31	183.2	1.29	0.0
SEM				0.042	0.27	0.70	1.47	0.57	0.14	81.9	0.58	0.0
89F00129	M	3	14	3.24	7.8	23.7	73.0	24.1	32.9	581	6.3	0
89F00147	M	3	14	3.35	7.8	24.1	71.8	23.3	32.4	534	8.3	0
89F00154	M	3	14	died								
89F00172	M	3	14	2.97	7.3	22.2	74.7	24.6	32.9	321	8.0	0
89F00173	M	3	14	3.59	8.5	26.0	72.3	23.7	32.7	656	7.9	0
Mean				3.288	7.85	24.00	72.95	23.93	32.73	523.0	7.63	0.0
Std Dev				0.257	0.49	1.56	1.27	0.56	0.24	143.7	0.90	0.0
SEM				0.129	0.25	0.78	0.63	0.28	0.12	71.87	0.45	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00127	M	4	14	4.96	11.2	34.3	69.1	22.6	32.7	342	7.4	0
89F00131	M	4	14	5.04	11.6	35.6	70.7	23.0	32.6	792	8.9	0
89F00157	M	4	14	4.67	10.3	31.5	37.5	22.1	32.7	1477	8.9	0
89F00169	M	4	14	4.53	9.8	30.4	67.0	21.6	32.2	621	8.0	0
89F00258	M	4	14	4.37	9.6	30.4	69.5	22.0	31.6	657	8.1	0
Mean				4.714	10.50	32.44	62.76	22.26	32.36	777.8	8.26	0.0
Std Dev				0.283	0.87	2.38	14.18	0.55	0.47	423.7	0.64	0.0
SEM				0.127	0.39	1.06	6.34	0.24	0.21	189.5	0.29	0.0
89F00116	M	5	14	5.08	11.4	35.6	70.1	22.4	32.0	385	7.3	0
89F00128	M	5	14	5.12	11.1	34.1	66.6	21.7	32.6	230	7.2	0
89F00148	M	5	14	5.09	11.7	35.8	70.3	23.0	32.7	263	8.0	2
89F00259	M	5	14	4.94	9.8	30.2	61.2	19.8	32.5	667	8.1	0
89F00261	M	5	14	4.52	9.0	27.9	61.7	19.9	32.3	984	8.7	0
Mean				4.950	10.60	32.72	65.98	21.36	32.42	505.8	7.86	0.4
Std Dev				0.250	1.15	3.51	4.39	1.45	0.28	317.9	0.62	0.9
SEM				0.112	0.51	1.57	1.96	0.65	0.12	142.2	0.28	0.4
89F00120	M	6	14	4.47	10.4	30.3	67.8	23.3	34.3	325	7.3	0
89F00143	M	6	14	5.12	12.0	34.7	67.8	23.4	34.6	819	7.1	0
89F00149	M	6	14	4.07	9.1	27.4	67.2	22.4	33.2	642	8.6	0
89F00177	M	6	14	4.49	10.3	31.1	69.4	23.0	33.1	5	8.6	0
89F00263	M	6	14	3.34	7.2	21.2	63.4	21.6	34.0	1343	9.0	8
Mean				4.298	9.80	28.94	67.12	22.74	33.84	626.8	8.12	1.6
Std Dev				0.654	1.78	5.05	2.23	0.75	0.67	506.9	0.86	3.6
SEM				0.293	0.80	2.26	1.00	0.33	0.30	226.7	0.38	1.6

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00115	M	7	14	4.49	10.2	30.6	68.1	22.7	33.3	37	7.8	0
89F00137	M	7	14	4.24	9.9	30.2	71.3	23.3	32.8	369	7.5	0
89F00164	M	7	14	3.88	8.9	27.9	72.0	22.9	31.9	561	8.0	0
89F00171	M	7	14	3.55	8.0	25.2	71.0	22.5	31.7	704	8.4	1
89F00264	M	7	14	4.77	9.1	29.1	61.1	19.1	31.3	957	9.2	0
Mean				4.186	9.22	28.60	68.70	22.10	32.20	525.5	8.18	0.2
Std Dev				0.483	0.87	2.17	4.50	1.70	0.82	347.4	0.66	0.4
SEM				0.216	0.39	0.97	2.01	0.76	0.37	155.4	0.29	0.2
89F00125	M	8	14	4.21	10.3	31.5	74.9	24.5	32.7	545	7.3	0
89F00145	M	8	14	3.96	9.2	28.2	71.2	23.2	32.6	428	4.8	0
89F00158	M	8	14	died								
89F00165	M	8	14	3.43	8.1	23.3	68.0	23.6	34.8	505	8.6	0
89F00266	M	8	14	died								
Mean				3.867	9.20	27.67	71.37	23.77	33.37	492.7	6.90	0.0
Std Dev				0.398	1.10	4.13	3.45	0.67	1.24	59.5	1.93	0.0
SEM				0.230	0.64	2.38	1.99	0.38	0.72	34.3	1.12	0.0
89F00121	M	9	14	3.25	8.1	25.0	77.0	24.9	32.4	281	7.0	0
89F00139	M	9	14	3.90	9.2	27.4	70.2	23.6	33.6	200	8.0	0
89F00151	M	9	14	2.77	6.4	19.9	72.0	23.1	32.2	183	8.2	0
89F00156	M	9	14	3.85	7.9	25.3	65.7	20.5	31.2	486	8.9	0
89F00257	M	9	14	3.10	7.5	22.4	72.3	24.2	33.5	1154	9.0	0
Mean				3.374	7.82	24.00	71.44	23.26	32.58	460.8	8.22	0.0
Std Dev				0.490	1.01	2.90	4.08	1.68	1.00	405.8	0.81	0.0
SEM				0.219	0.45	1.30	1.82	0.75	0.45	181.5	0.36	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00124	M	10	14	10.3	51	0	0	0	45	1	3	7.0	56.0
89F00136	M	10	14	15.0	46	0	1	0	48	1	4	8.8	35.4
89F00142	M	10	14	11.0	34	0	0	0	66	0	0	8.2	TNTC
89F00168	M	10	14	7.8	63	0	0	0	35	0	2	7.0	TNTC
89F00175	M	10	14	7.8	47	0	0	0	49	2	2	6.0	35.2
Mean				10.38	48.2	0.0	0.2	0.0	48.6	0.8	2.2	7.40	85.32
Std Dev				2.96	10.4	0.0	0.4	0.0	11.2	0.8	1.5	1.10	59.65
SEM				1.32	4.7	0.0	0.2	0.0	5.0	0.4	0.7	0.49	26.67

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00126	M	1	14	7.1	22	0	0	0	77	1	0	6.5	TNTC
89F00130	M	1	14	6.6	50	0	0	0	49	1	0	6.6	41.2
89F00140	M	1	14	4.5	49	0	0	0	49	2	0	7.6	TNTC
89F00155	M	1	14	8.1	42	0	0	0	56	0	2	7.2	TNTC
89F00166	M	1	14	6.9	35	0	0	0	65	0	0	6.0	41.8
Mean				6.64	39.6	0.0	0.0	0.0	59.2	0.8	0.4	6.78	106.60
Std Dev				1.32	11.5	0.0	0.0	0.0	11.9	0.8	0.9	0.63	59.43
SEM				0.59	5.2	0.0	0.0	0.0	5.3	0.4	0.4	0.28	26.58
89F00118	M	2	14	6.7	60	0	0	0	36	1	3	6.3	33.8
89F00132	M	2	14	4.2	36	0	1	0	63	0	0	5.5	35.6
89F00141	M	2	14	6.2	37	0	0	0	61	1	1	5.8	59.5
89F00176	M	2	14	4.5	17	0	0	0	61	1	1	8.3	TNTC
89F00257	M	2	14	10.0	79	0	0	0	20	1	0	7.3	TNTC
Mean				6.32	45.8	0.0	0.2	0.0	48.2	0.8	1.0	6.64	85.78
Std Dev				2.32	24.0	0.0	0.4	0.0	19.3	0.4	1.2	1.15	59.50
SEM				1.04	10.7	0.0	0.2	0.0	8.6	0.2	0.5	0.52	26.61
89F00129	M	3	14	8.1	44	0	0	0	54	2	0	6.2	TNTC
89F00147	M	3	14	4.6	76	0	0	0	23	1	0	9.2	TNTC
89F00154	M	3	14	died									
89F00172	M	3	14	3.6	44	0	0	0	56	0	0	6.1	52.1
89F00173	M	3	14	5.3	83	0	0	0	16	1	0	1.3	2.0
Mean				5.40	61.8	0.0	0.0	0.0	37.3	1.0	0.0	5.70	88.53
Std Dev				1.93	20.7	0.0	0.0	0.0	20.7	0.8	0.0	3.27	73.87
SEM				0.97	10.3	0.0	0.0	0.0	10.4	0.4	0.0	1.63	36.94

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00127	M	4	14	8.8	24	0	0	0	75	0	1	5.8	32.3
89F00131	M	4	14	6.8	29	0	0	0	69	1	1	5.7	30.3
89F00157	M	4	14	11.3	67	0	0	0	33	0	0	1.6	1.8
89F00169	M	4	14	10.6	63	0	0	0	37	0	0	5.8	38.2
89F00258	M	4	14	8.8	88	0	0	0	8	4	0	1.3	2.1
Mean				9.26	54.2	0.0	0.0	0.0	44.5	1.0	0.4	4.04	20.94
Std Dev				1.76	27.1	0.0	0.0	0.0	27.5	1.7	0.5	2.37	17.58
SEM				0.79	12.1	0.0	0.0	0.0	12.3	0.8	0.2	1.06	7.86
89F00116	M	5	14	8.1	39	0	0	0	59	0	2	6.8	TNTC
89F00128	M	5	14	13.5	32	0	0	0	67	0	1	6.8	TNTC
89F00148	M	5	14	2.6	47	0	0	0	53	0	0	10.3	38.8
89F00259	M	5	14	8.0	65	0	0	0	36	0	0	6.6	8.6
89F00261	M	5	14	7.6	76	0	0	0	22	2	0	7.0	39.3
Mean				7.96	51.8	0.0	0.0	0.0	47.4	0.4	0.6	7.50	77.34
Std Dev				3.86	18.3	0.0	0.0	0.0	18.2	0.9	0.9	1.57	67.48
SEM				1.73	8.2	0.0	0.0	0.0	8.1	0.4	0.4	0.70	30.18
89F00120	M	6	14	5.6	35	0	0	0	60	1	4	6.3	37.2
89F00143	M	6	14	10.4	70	0	0	0	26	0	4	7.0	54.3
89F00149	M	6	14	8.6	44	0	0	0	54	2	0	2.5	36.7
89F00177	M	6	14	4.1	24	0	0	0	75	1	0	6.3	TNTC
89F00263	M	6	14	12.5	49	0	0	0	49	2	0	1.3	1.2
Mean				8.24	44.4	0.0	0.0	0.0	52.8	1.2	1.6	4.68	55.88
Std Dev				3.43	17.2	0.0	0.0	0.0	17.9	0.8	2.2	2.59	56.05
SEM				1.53	7.7	0.0	0.0	0.0	8.0	0.4	1.0	1.16	25.07

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00115	M	7	14	4.9	42	0	0	0	55	0	3	7.2	TNTC
89F00137	M	7	14	7.1	43	0	0	0	54	1	2	7.0	TNTC
89F00164	M	7	14	8.8	71	0	0	0	28	0	1	4.0	1.5
89F00171	M	7	14	8.1	31	0	0	0	66	2	1	8.3	1.3
89F00264	M	7	14	6.7	39	0	0	0	58	3	0	6.8	52.8
Mean				7.12	45.2	0.0	0.0	0.0	52.2	1.2	1.4	6.66	71.12
Std Dev				1.49	15.2	0.0	0.0	0.0	14.3	1.3	1.1	1.60	75.00
SEM				0.67	6.8	0.0	0.0	0.0	6.4	0.6	0.5	0.71	33.54
89F00125	M	8	14	15.1	71	0	0	0	25	3	1	7.0	37.4
89F00145	M	8	14	6.1	47	0	0	0	47	3	3	10.6	TNTC
89F00158	M	8	14	died									
89F00165	M	8	14	5.3	41	0	0	0	59	0	0	2.2	35.2
89F00266	M	8	14	died									
Mean				8.83	53.0	0.0	0.0	0.0	43.7	2.0	1.3	6.60	74.20
Std Dev				5.44	15.9	0.0	0.0	0.0	17.2	1.7	1.5	4.21	65.65
SEM				3.14	9.2	0.0	0.0	0.0	10.0	1.0	0.9	2.43	37.91
89F00121	M	9	14	6.6	53	0	0	0	43	2	2	10.6	TNTC
89F00139	M	9	14	5.3	43	0	0	0	56	1	0	7.5	TNTC
89F00151	M	9	14	6.8	54	0	0	0	45	0	0	TNTC	TNTC
89F00156	M	9	14	9.3	62	0	0	0	36	2	0	6.8	48.4
89F00267	M	9	14	6.7	65	0	0	0	34	1	0	7.2	TNTC
Mean				6.94	55.4	0.0	0.0	0.0	42.8	1.2	0.4	8.03	129.68
Std Dev				1.45	8.6	0.0	0.0	0.0	8.7	0.8	0.9	1.74	45.44
SEM				0.65	3.9	0.0	0.0	0.0	3.9	0.4	0.4	0.87	20.32

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	-7	5.06	11.8	34.8	68.8	23.3	33.9	387	6.9	1
89F00351	F	10	-7	6.41	14.1	41.8	65.2	22.0	33.7	379	9.2	0
89F00364	F	10	-7	6.03	13.2	39.6	65.6	21.9	33.3	284	6.7	0
89F00373	F	10	-7	4.92	11.5	34.8	70.8	23.4	33.0	499	6.3	0
89F00381	F	10	-7	5.93	12.6	37.6	63.4	21.2	33.5	238	5.8	0
Mean				5.670	12.64	37.72	66.76	22.36	33.48	357.4	6.98	0.2
Std Dev				0.648	1.05	3.05	2.98	0.96	0.35	101.3	1.31	0.4
SEM				0.290	0.47	1.36	1.33	0.43	0.16	45.3	0.59	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	-7	6.54	13.8	41.3	63.1	21.1	33.4	383	6.9	0
89F00339	F	1	-7	5.20	11.4	33.9	65.1	21.9	33.6	331	8.2	0
89F00352	F	1	-7	5.77	12.2	37.6	65.1	21.1	32.4	379	10.2	0
89F00369	F	1	-7	6.79	13.8	41.9	61.7	20.3	32.9	223	7.5	1
89F00377	F	1	-7	5.21	11.3	33.8	64.9	21.7	33.4	226	5.7	0
Mean				5.902	12.50	37.70	63.98	21.22	33.14	308.4	7.70	0.2
Std Dev				0.739	1.24	3.88	1.53	0.63	0.49	79.3	1.67	0.4
SEM				0.331	0.55	1.74	0.68	0.28	0.22	35.5	0.75	0.2
89F00337	F	2	-7	5.48	12.5	35.9	65.6	22.8	34.8	524	6.2	0
89F00358	F	2	-7	4.81	11.2	32.6	67.8	23.3	34.4	523	9.5	0
89F00371	F	2	-7	5.37	11.7	35.9	66.9	21.8	32.6	392	6.8	2
89F00389	F	2	-7	5.80	12.9	38.2	65.9	22.2	33.8	273	5.2	2
89F00391	F	2	-7	5.25	11.2	34.9	66.2	21.3	32.2	365	6.4	0
Mean				5.342	11.90	35.50	66.48	22.28	33.56	415.4	6.82	0.8
Std Dev				0.361	0.77	2.02	0.88	0.79	1.13	108.1	1.61	1.1
SEM				0.161	0.34	0.90	0.39	0.35	0.50	48.3	0.72	0.5
89F00348	F	3	-7	4.80	11.9	34.3	71.5	24.9	34.7	505	7.2	0
89F00355	F	3	-7	clot								
89F00368	F	3	-7	5.29	12.2	36.0	68.1	23.1	33.9	230	7.0	0
89F00370	F	3	-7	5.57	12.7	37.9	68.1	22.8	33.5	312	6.6	3
89F00383	F	3	-7	5.62	12.8	38.7	68.8	22.8	33.1	329	7.7	0
Mean				5.320	12.40	36.73	69.13	23.40	33.80	344.0	7.13	0.8
Std Dev				0.376	0.42	1.97	1.62	1.01	0.68	115.7	0.46	1.5
SEM				0.188	0.21	0.99	0.81	0.50	0.34	57.9	0.23	0.8

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	-7	4.71	11.1	33.1	70.2	23.6	33.5	408	6.8	0
89F00354	F	4	-7	5.17	11.7	34.9	67.5	22.6	33.5	414	10.2	0
89F00374	F	4	-7	3.29	9.4	26.9	81.9	28.6	34.9	653	8.5	5
89F00380	F	4	-7	6.14	13.7	40.9	66.6	22.3	33.5	215	7.3	0
89F00387	F	4	-7	5.62	12.0	37.4	66.6	21.4	32.1	69	6.5	0
Mean				4.986	11.58	34.64	70.56	23.70	33.50	351.8	7.86	1.0
Std Dev				1.086	1.55	5.22	6.51	2.85	0.99	221.6	1.51	2.2
SEM				0.486	0.70	2.34	2.91	1.27	0.44	99.1	0.68	1.0
89F00341	F	5	-7	5.29	12.9	36.5	69.0	24.4	35.3	91	6.8	0
89F00347	F	5	-7	5.61	12.8	38.7	68.9	22.8	33.1	347	6.7	0
89F00360	F	5	-7	6.37	13.2	40.1	63.0	20.7	32.9	260	9.3	0
89F00375	F	5	-7	5.64	11.9	36.4	64.5	21.1	32.7	440	6.3	0
89F00394	F	5	-7	NT								
Mean				5.728	12.70	37.93	66.35	22.25	33.50	284.5	7.28	0.0
Std Dev				0.457	0.56	1.80	3.06	1.70	1.21	148.5	1.37	0.0
SEM				0.228	0.28	0.90	1.53	0.85	0.61	74.2	0.68	0.0
89F00343	F	6	-7	5.74	12.9	38.1	66.4	22.5	33.9	346	6.0	0
89F00357	F	6	-7	5.77	12.6	38.0	65.9	21.8	33.2	383	10.7	0
89F00362	F	6	-7	5.93	12.8	38.3	64.6	21.6	33.4	313	8.7	0
89F00363	F	6	-7	5.84	13.0	38.7	66.2	22.3	33.6	407	10.1	0
89F00379	F	6	-7	5.89	13.2	39.1	66.4	22.4	33.8	428	6.4	0
Mean				5.834	12.90	38.44	65.90	22.12	33.58	375.4	8.38	0.0
Std Dev				0.080	0.22	0.46	0.75	0.40	0.29	46.3	2.12	0.0
SEM				0.036	0.10	0.20	0.34	0.18	0.13	20.7	1.06	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	-7	5.48	11.6	34.9	63.7	21.2	33.2	338	6.2	3
89F00353	F	7	-7	5.84	12.4	37.1	63.5	21.2	33.4	425	9.0	0
89F00366	F	7	-7	5.98	12.6	38.2	63.8	21.1	33.0	332	8.7	0
89F00372	F	7	-7	5.02	11.7	33.9	67.5	23.3	34.5	332	8.3	0
89F00390	F	7	-7	5.84	12.4	37.1	63.5	21.2	33.4	386	7.3	2
Mean				5.632	12.14	36.24	64.40	21.60	33.50	362.6	7.90	1.0
Std Dev				0.389	0.46	1.77	1.74	0.95	0.58	41.6	1.15	1.4
SEM				0.174	0.20	0.79	0.78	0.43	0.26	18.6	0.51	0.6
89F00346	F	8	-7	5.81	12.7	38.5	66.2	21.9	33.0	331	7.0	3
89F00359	F	8	-7	6.32	13.8	40.8	64.5	21.8	33.8	347	10.3	0
89F00365	F	8	-7	5.48	11.7	35.2	64.2	21.4	33.2	332	9.2	0
89F00392	F	8	-7	5.26	11.8	35.2	67.0	22.4	33.5	393	7.0	1
89F00393	F	8	-7	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mean				5.718	12.50	37.43	65.48	21.88	33.38	350.8	8.38	1.0
Std Dev				0.461	0.98	2.74	1.35	0.41	0.35	29.1	1.65	1.4
SEM				0.230	0.49	1.37	0.67	0.21	0.18	14.6	0.83	0.7
89F00340	F	9	-7	5.85	12.6	37.5	64.1	21.5	33.6	278	6.4	0
89F00349	F	9	-7	5.72	12.4	36.4	63.6	21.7	34.1	313	6.2	1
89F00356	F	9	-7	5.40	12.5	37.1	68.7	23.1	33.7	439	9.1	0
89F00367	F	9	-7	5.33	11.5	34.5	64.8	21.6	33.3	494	6.8	0
89F00384	F	9	-7	6.19	12.8	38.3	61.9	20.7	33.4	88	6.1	0
Mean				5.698	12.36	36.76	64.62	21.72	33.62	322.4	6.92	0.2
Std Dev				0.350	0.50	1.44	2.52	0.87	0.31	158.1	1.25	0.4
SEM				0.157	0.22	0.64	1.13	0.39	0.14	70.7	0.56	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	-7	8.8	18	0	0	0	82	0	0	7.3	27.3
89F00351	F	10	-7	8.2	40	0	0	0	50	4	6	9.0	21.8
89F00364	F	10	-7	11.8	27	0	0	0	71	2	0	9.5	21.7
89F00373	F	10	-7	9.3	19	0	0	0	80	1	0	8.6	44.2
89F00381	F	10	-7	9.5	49	0	0	0	49	2	0	6.6	29.0
Mean				9.52	30.6	0.0	0.0	0.0	66.4	1.8	1.2	8.20	28.80
Std Dev				1.37	13.5	0.0	0.0	0.0	16.0	1.5	2.7	1.21	9.20
SEM				0.61	6.1	0.0	0.0	0.0	7.1	0.7	1.2	0.54	4.12

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	-7	7.3	29	0	0	0	67	1	3	8.6	28.6
89F00339	F	1	-7	10.0	25	0	0	0	72	1	2	6.8	22.8
89F00352	F	1	-7	7.0	70	0	0	0	28	2	0	8.2	23.6
89F00369	F	1	-7	9.2	25	0	0	0	67	0	8	8.7	25.8
89F00377	F	1	-7	9.0	38	0	0	0	60	0	2	6.3	32.6
Mean				8.50	37.4	0.0	0.0	0.0	58.8	0.8	3.0	7.72	26.68
Std Dev				1.29	19.0	0.0	0.0	0.0	17.7	0.8	3.0	1.10	4.00
SEM				0.58	8.5	0.0	0.0	0.0	7.9	0.4	1.3	0.49	1.79
89F00337	F	2	-7	10.0	31	0	0	0	67	2	0	6.8	25.6
89F00358	F	2	-7	8.1	37	0	0	0	56	3	4	6.1	TNTC
89F00371	F	2	-7	8.3	27	0	0	0	70	2	1	8.0	41.2
89F00389	F	2	-7	6.4	17	0	0	0	79	2	2	2.8	24.3
89F00391	F	2	-7	7.2	22	0	0	0	77	0	1	9.8	TNTC
Mean				8.00	26.8	0.0	0.0	0.0	69.8	1.8	1.6	6.70	78.22
Std Dev				1.35	7.8	0.0	0.0	0.0	9.1	1.1	1.5	2.59	65.86
SEM				0.60	3.5	0.0	0.0	0.0	4.1	0.5	0.7	1.16	29.45
89F00348	F	3	-7	7.1	21	0	0	0	79	0	0	8.1	21.8
89F00355	F	3	-7	clot								9.0	22.8
89F00368	F	3	-7	11.2	22	0	0	0	78	0	0	8.3	38.8
89F00370	F	3	-7	8.7	22	0	0	0	76	1	1	8.0	39.6
89F00383	F	3	-7	7.8	53	0	0	0	43	1	3	6.8	33.3
Mean				8.70	29.5	0.0	0.0	0.0	69.0	0.5	1.0	8.04	31.26
Std Dev				1.79	15.7	0.0	0.0	0.0	17.4	0.6	1.4	0.80	8.54
SEM				0.90	7.8	0.0	0.0	0.0	8.7	0.3	0.7	0.36	3.82

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	-7	7.0	22	0	0	0	78	0	0	7.2	24.6
89F00354	F	4	-7	7.6	40	0	0	0	59	1	0	9.2	23.1
89F00374	F	4	-7	14.8	31	0	0	0	68	1	0	7.2	35.0
89F00380	F	4	-7	7.2	49	0	0	0	51	0	0	6.7	27.6
89F00387	F	4	-7	4.7	33	0	0	0	66	1	0	9.2	TNTC
Mean				8.26	35.0	0.0	0.0	0.0	64.4	0.6	0.0	7.90	52.06
Std Dev				3.83	10.1	0.0	0.0	0.0	10.1	0.5	0.0	1.20	54.94
SEM				1.71	4.5	0.0	0.0	0.0	4.5	0.2	0.0	0.54	24.57
89F00341	F	5	-7	5.7	14	0	0	0	83	1	2	1.3	1.2
89F00347	F	5	-7	10.1	38	0	0	0	60	2	0	7.0	35.4
89F00360	F	5	-7	4.5	15	0	1	0	82	0	2	TNTC	TNTC
89F00375	F	5	-7	9.1	24	0	0	0	73	1	2	7.8	35.8
89F00394	F	5	-7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mean				7.35	22.8	0.0	0.3	0.0	74.5	1.0	1.5	5.37	55.60
Std Dev				2.68	11.1	0.0	0.5	0.0	10.7	0.8	1.0	3.54	64.99
SEM				1.34	5.6	0.0	0.3	0.0	5.3	0.4	0.5	2.05	32.49
89F00343	F	6	-7	7.2	31	0	0	0	68	1	0	8.0	23.6
89F00357	F	6	-7	6.5	52	0	0	0	40	2	6	6.5	TNTC
89F00362	F	6	-7	7.8	38	0	0	0	62	0	0	TNTC	TNTC
89F00363	F	6	-7	13.3	40	0	0	0	58	1	1	8.0	TNTC
89F00379	F	6	-7	9.6	59	0	0	0	36	2	3	6.8	42.4
Mean				8.88	44.0	0.0	0.0	0.0	52.8	1.2	2.0	7.33	103.20
Std Dev				2.73	11.3	0.0	0.0	0.0	14.0	0.8	2.5	0.79	164.43
SEM				1.22	5.0	0.0	0.0	0.0	6.3	0.4	1.1	0.39	28.81

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	-7	7.6	22	0	0	0	74	0	4	7.8	32.2
89F00353	F	7	-7	7.2	40	0	0	0	56	2	2	8.6	22.0
89F00366	F	7	-7	9.2	39	0	0	0	60	0	1	8.8	27.8
89F00372	F	7	-7	6.9	30	0	0	0	66	0	4	9.4	31.6
89F00390	F	7	-7	5.8	16	0	0	0	80	0	4	5.0	20.6
Mean				7.34	29.4	0.0	0.0	0.0	67.2	0.4	3.0	7.92	26.84
Std Dev				1.24	10.5	0.0	0.0	0.0	9.9	0.9	1.4	1.73	5.35
SEM				0.55	4.7	0.0	0.0	0.0	4.4	0.4	0.6	0.77	2.39
89F00346	F	8	-7	6.8	34	0	0	0	61	4	1	2.4	1.3
89F00359	F	8	-7	6.1	30	0	0	0	65	0	5	5.8	TNTC
89F00365	F	8	-7	10.4	23	0	0	0	75	1	1	9.3	42.2
89F00392	F	8	-7	10.5	21	0	0	0	77	0	2	8.3	29.9
89F00393	F	8	-7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mean				8.45	27.0	0.0	0.0	0.0	69.5	1.3	2.3	6.45	55.85
Std Dev				2.33	6.1	0.0	0.0	0.0	7.7	1.9	1.9	3.08	65.06
SEM				1.16	3.0	0.0	0.0	0.0	3.9	0.9	0.9	1.54	32.53
89F00340	F	9	-7	6.8	20	0	0	0	76	1	3	TNTC	TNTC
89F00349	F	9	-7	9.3	33	0	0	0	66	0	1	6.8	33.6
89F00356	F	9	-7	13.9	72	0	0	0	28	0	0	5.5	TNTC
89F00367	F	9	-7	11.2	15	0	0	0	83	0	2	7.6	9.5
89F00384	F	9	-7	7.0	23	0	0	0	75	1	1	1.8	30.4
Mean				9.64	32.6	0.0	0.0	0.0	65.6	0.4	1.4	5.43	74.70
Std Dev				2.99	23.0	0.0	0.0	0.0	21.9	0.5	1.1	2.57	69.36
SEM				1.34	10.3	0.0	0.0	0.0	9.8	0.2	0.5	1.28	31.02

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	0	4.44	10.6	30.8	69.4	23.9	34.4	355	9.3	0
89F00351	F	10	0	6.27	13.9	40.9	65.3	22.2	34.0	440	5.9	0
89F00364	F	10	0	5.01	11.6	33.4	66.7	23.2	34.7	296	6.2	0
89F00373	F	10	0	4.92	11.4	34.9	70.9	23.2	32.7	470	9.9	0
89F00381	F	10	0	5.52	12.1	35.7	64.7	21.9	33.9	357	8.3	0
Mean				5.232	11.92	35.14	67.40	22.88	33.94	383.6	7.92	0.0
Std Dev				0.695	1.23	3.72	2.67	0.82	0.76	70.4	1.80	0.0
SEM				0.311	0.55	1.66	1.19	0.37	0.34	31.5	0.81	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	0	4.90	10.5	31.5	64.2	21.4	33.3	473	10.5	3
89F00339	F	1	0	4.75	10.7	31.9	67.1	22.5	33.5	389	9.9	1
89F00352	F	1	0	4.79	10.3	31.7	66.2	21.5	32.5	425	7.0	0
89F00369	F	1	0	6.23	12.9	39.1	62.7	20.7	33.0	299	8.8	0
89F00377	F	1	0	5.32	11.7	34.8	65.5	22.0	33.6	237	9.5	1
Mean				5.198	11.22	33.80	65.14	21.62	33.18	364.6	9.14	1.0
Std Dev				0.620	1.08	3.26	1.73	0.68	0.44	95.6	1.35	1.2
SEM				0.277	0.48	1.46	0.77	0.30	0.20	42.8	0.60	0.5
89F00337	F	2	0	5.25	13.3	35.2	67.0	25.3	37.8	393	10.0	0
89F00358	F	2	0	4.29	9.9	30.2	70.3	23.1	32.8	397	6.8	0
89F00371	F	2	0	4.82	10.9	32.3	67.0	22.6	33.7	435	7.2	0
89F00389	F	2	0	5.38	12.1	36.2	67.3	22.5	33.4	335	9.3	0
89F00391	F	2	0	4.61	10.6	31.4	68.1	23.0	33.8	435	8.0	3
Mean				4.870	11.36	33.06	67.94	23.30	34.30	399.0	8.26	0.6
Std Dev				0.450	1.34	2.55	1.39	1.15	1.99	41.0	1.36	1.3
SEM				0.201	0.60	1.14	0.62	0.51	0.89	18.3	0.61	0.6
89F00348	F	3	0	4.33	10.6	30.7	71.0	24.5	34.5	381	9.0	1
89F00355	F	3	0	4.61	10.6	32.2	69.9	23.0	32.9	398	7.9	0
89F00368	F	3	0	5.01	11.7	35.1	70.0	23.4	33.3	235	10.5	0
89F00370	F	3	0	5.10	11.8	36.1	70.7	23.1	32.7	371	8.2	0
89F00383	F	3	0	4.88	11.4	33.6	68.9	23.4	33.9	326	8.9	0
Mean				4.786	11.22	33.54	70.10	23.48	33.46	342.2	8.90	0.2
Std Dev				0.315	0.58	2.17	0.82	0.60	0.74	65.6	1.01	0.4
SEM				0.141	0.26	0.97	0.36	0.27	0.33	29.3	0.45	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	0	4.69	10.8	33.6	71.8	23.1	32.1	365	10.8	2
89F00354	F	4	0	4.84	11.4	33.9	70.0	23.6	33.6	312	7.5	0
89F00374	F	4	0	2.55	7.7	24.3	95.3	30.2	31.7	310	11.5	20
89F00380	F	4	0	5.32	12.1	36.5	68.7	22.7	33.2	388	8.5	0
89F00387	F	4	0	4.77	11.0	32.7	68.6	23.1	33.6	560	10.0	0
Mean				4.434	10.60	32.20	74.88	24.54	32.85	387.0	9.66	4.4
Std Dev				1.081	1.70	4.64	11.49	3.18	0.89	102.4	1.64	8.8
SEM				0.484	0.76	2.07	5.14	1.42	0.40	45.8	0.74	3.9
89F00341	F	5	0	4.89	11.7	34.4	70.4	23.9	34.0	365	11.5	5
89F00347	F	5	0	4.92	11.8	34.6	70.3	24.0	34.1	292	9.6	0
89F00360	F	5	0	5.70	11.8	36.0	63.2	20.7	32.8	254	7.2	0
89F00375	F	5	0	5.49	11.8	36.0	65.6	21.5	32.8	531	8.6	0
89F00394	F	5	0	4.52	10.9	31.8	70.3	24.1	34.3	343	7.5	0
Mean				5.104	11.60	34.56	67.96	22.84	33.60	357.0	8.88	1.0
Std Dev				0.481	0.39	1.72	3.36	1.61	0.74	106.5	1.75	2.2
SEM				0.215	0.18	0.77	1.50	0.72	0.33	47.6	0.78	1.0
89F00343	F	6	0	5.22	11.9	36.2	69.3	22.8	32.9	436	10.5	4
89F00357	F	6	0	5.62	12.1	37.1	66.1	21.5	32.6	351	6.4	0
89F00362	F	6	0	4.47	10.3	31.2	69.8	23.0	33.0	531	7.9	4
89F00363	F	6	0	5.13	11.5	34.0	66.3	22.4	33.8	441	8.0	0
89F00379	F	6	0	5.28	12.2	36.4	68.9	23.1	33.5	307	8.9	0
Mean				5.144	11.60	34.98	68.08	22.56	33.16	413.2	8.34	1.6
Std Dev				0.420	0.77	2.41	1.75	0.65	0.48	87.1	1.50	2.2
SEM				0.188	0.35	1.08	0.78	0.29	0.22	38.9	0.67	1.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	0	5.06	11.1	33.4	66.1	21.9	33.2	353	10.9	0
89F00353	F	7	0	5.30	11.2	34.4	64.9	21.1	32.6	378	6.2	1
89F00366	F	7	0	6.18	13.2	40.0	64.8	21.4	33.0	322	8.4	0
89F00372	F	7	0	4.85	11.5	33.3	68.6	23.7	34.5	370	8.4	0
89F00390	F	7	0	5.52	12.0	35.7	64.6	21.7	33.6	489	10.3	0
Mean				5.382	11.80	35.36	65.80	21.96	33.38	382.4	8.84	0.2
Std Dev				0.512	0.86	2.77	1.67	1.02	0.72	63.3	1.85	0.4
SEM				0.229	0.38	1.24	0.75	0.46	0.32	28.3	0.83	0.2
89F00346	F	8	0	5.25	11.4	35.4	67.4	21.7	32.2	334	9.7	0
89F00359	F	8	0	5.22	11.9	35.3	67.6	22.8	33.7	373	7.0	0
89F00365	F	8	0	4.94	10.7	32.6	65.9	21.7	32.8	315	8.6	0
89F00392	F	8	0	4.92	11.5	34.2	69.5	23.4	33.6	418	10.5	0
89F00393	F	8	0	6.59	13.4	41.0	62.2	20.3	32.7	362	6.8	0
Mean				5.384	11.78	35.70	66.52	21.98	33.00	360.4	8.52	0.0
Std Dev				0.691	1.00	3.17	2.73	1.19	0.64	39.5	1.63	0.0
SEM				0.309	0.45	1.42	1.22	0.53	0.28	17.7	0.73	0.0
89F00340	F	9	0	5.17	11.5	33.6	64.9	22.2	34.2	153	10.4	0
89F00349	F	9	0	4.84	10.4	32.0	66.2	21.5	32.5	312	10.6	4
89F00356	F	9	0	5.29	12.7	37.3	70.5	24.0	34.0	396	6.2	0
89F00367	F	9	0	4.42	9.9	28.8	65.1	22.4	34.4	400	8.7	0
89F00384	F	9	0	5.44	11.6	34.9	64.1	21.3	33.2	173	8.0	0
Mean				5.032	11.22	33.32	66.16	22.28	33.66	286.8	8.78	0.8
Std Dev				0.407	1.10	3.19	2.54	1.07	0.79	118.6	1.82	1.8
SEM				0.182	0.49	1.42	1.14	0.48	0.35	53.0	0.81	0.8

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	0	6.5	22	0	0	0	77	0	1	8.3	92.0
89F00351	F	10	0	9.1	52	0	0	0	46	1	1	10.0	TNTC
89F00364	F	10	0	13.5	48	0	0	0	48	3	1	13.8	TNTC
89F00373	F	10	0	11.2	21	0	0	0	75	2	2	9.6	TNTC
89F00381	F	10	0	7.8	47	0	0	0	48	2	3	8.3	TNTC
Mean				9.62	38.0	0.0	0.0	0.0	58.8	1.6	1.6	10.00	138.40
Std Dev				2.78	15.2	0.0	0.0	0.0	15.7	1.1	0.9	2.26	25.94
SEM				1.24	6.8	0.0	0.0	0.0	7.0	0.5	0.4	1.01	11.60

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	0	12.2	19	0	0	0	77	0	4	8.4	149.0
89F00339	F	1	0	9.4	37	0	0	0	62	1	0	7.8	22.0
89F00352	F	1	0	10.3	53	0	0	0	46	1	0	6.8	37.8
89F00369	F	1	0	9.8	43	0	0	0	54	2	1	9.2	TNTC
89F00377	F	1	0	8.7	49	0	0	0	50	0	1	7.5	TNTC
Mean				10.08	40.2	0.0	0.0	0.0	57.8	0.8	1.2	7.94	101.76
Std Dev				1.32	13.3	0.0	0.0	0.0	12.3	0.8	1.6	0.91	665.84
SEM				0.59	6.0	0.0	0.0	0.0	5.5	0.4	0.7	0.41	29.44
89F00337	F	2	0	9.5	59	0	2	0	36	1	2	9.6	TNTC
89F00358	F	2	0	8.0	35	0	0	0	64	0	1	10.3	TNTC
89F00371	F	2	0	8.1	15	0	0	0	79	2	4	8.2	TNTC
89F00389	F	2	0	7.9	36	0	0	0	52	2	10	8.8	TNTC
89F00391	F	2	0	12.0	38	0	0	0	60	0	2	9.5	TNTC
Mean				9.10	36.6	0.0	0.4	0.0	58.2	1.0	3.8	9.28	150.00
Std Dev				1.75	15.6	0.0	0.9	0.0	15.8	1.0	3.6	0.80	0.00
SEM				0.78	7.0	0.0	0.4	0.0	7.1	0.4	1.6	0.36	0.00
89F00348	F	3	0	7.9	24	0	0	0	75	0	1	9.0	TNTC
89F00355	F	3	0	8.0	22	0	0	0	73	2	3	9.6	TNTC
89F00368	F	3	0	13.1	36	0	0	0	29	2	3	7.8	110.1
89F00370	F	3	0	9.3	41	0	0	0	55	3	1	8.6	TNTC
89F00383	F	3	0	7.6	49	0	0	0	44	4	3	9.3	TNTC
Mean				9.18	34.4	0.0	0.0	0.0	55.2	2.2	2.2	8.86	142.[illegible]
Std Dev				2.29	11.4	0.0	0.0	0.0	19.5	1.5	1.1	0.70	17.84
SEM				1.02	5.1	0.0	0.0	0.0	8.7	0.7	0.5	0.31	7.98

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	0	7.4	33	0	0	0	63	4	0	9.4	TNTC
89F00354	F	4	0	8.6	40	0	0	0	60	0	0	9.8	TNTC
89F00374	F	4	0	23.7	36	0	0	0	64	0	0	8.3	11.6
89F00380	F	4	0	11.2	45	0	0	0	47	5	3	7.5	20.7
89F00387	F	4	0	6.4	42	0	0	0	51	2	5	7.2	40.2
Mean				11.46	39.2	0.0	0.0	0.0	57.0	2.2	1.6	8.44	74.50
Std Dev				7.07	4.8	0.0	0.0	0.0	7.6	2.3	2.3	1.14	69.69
SEM				3.16	2.1	0.0	0.0	0.0	3.4	1.0	1.0	0.51	31.17
89F00341	F	5	0	6.8	37	0	0	0	63	0	0	8.0	TNTC
89F00347	F	5	0	11.7	24	0	0	0	68	4	4	10.3	TNTC
89F00360	F	5	0	12.2	35	0	0	0	61	2	2	7.6	TNTC
89F00375	F	5	0	6.5	39	0	0	0	57	2	2	7.8	TNTC
89F00394	F	5	0	9.6	28	0	0	0	68	1	3	8.8	TNTC
Mean				9.36	32.6	0.0	0.0	0.0	63.4	1.8	2.2	8.50	150.00
Std Dev				2.66	6.3	0.0	0.0	0.0	4.7	1.5	1.5	1.10	0.00
SEM				1.19	2.8	0.0	0.0	0.0	2.1	0.7	0.7	0.49	0.00
89F00343	F	6	0	8.9	29	0	0	0	68	2	1	9.9	TNTC
89F00357	F	6	0	8.2	31	0	0	0	68	1	0	9.6	TNTC
89F00362	F	6	0	12.1	48	0	0	0	45	5	2	8.0	TNTC
89F00363	F	6	0	13.3	32	0	0	0	66	1	1	9.7	72.1
89F00379	F	6	0	10.6	43	0	0	0	52	2	3	8.0	TNTC
Mean				10.62	36.6	0.0	0.0	0.0	59.8	2.2	1.4	9.04	134.42
Std Dev				2.13	8.4	0.0	0.0	0.0	10.6	1.6	1.1	0.96	34.84
SEM				0.95	3.7	0.0	0.0	0.0	4.8	0.7	0.5	0.43	15.58

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	0	8.9	33	0	2	0	61	1	3	9.7	TNTC
89F00353	F	7	0	7.7	49	0	0	0	47	2	2	8.6	TNTC
89F00366	F	7	0	8.9	50	0	0	0	41	4	5	10.8	TNTC
89F00372	F	7	0	8.8	45	0	0	0	53	1	1	6.8	32.2
89F00390	F	7	0	6.2	39	0	0	0	59	2	0	7.2	TNTC
Mean				8.10	43.2	0.0	0.4	0.0	52.2	2.0	2.2	8.62	126.44
Std Dev				1.18	7.2	0.0	0.9	0.0	8.3	1.2	1.9	1.68	52.68
SEM				0.53	3.2	0.0	0.4	0.0	3.7	0.5	0.9	0.75	23.56
89F00346	F	8	0	8.3	38	0	0	0	58	1	3	9.5	TNTC
89F00359	F	8	0	9.0	41	0	0	0	57	1	1	9.0	TNTC
89F00365	F	8	0	10.5	23	0	0	0	75	1	1	13.0	TNTC
89F00392	F	8	0	10.8	47	0	0	0	49	1	3	10.8	TNTC
89F00393	F	8	0	7.7	54	0	0	0	39	3	4	8.4	TNTC
Mean				9.26	40.6	0.0	0.0	0.0	55.6	1.4	2.4	10.14	150.00
Std Dev				1.35	11.6	0.0	0.0	0.0	13.3	0.9	1.3	1.83	0.00
SEM				0.61	5.2	0.0	0.0	0.0	5.9	0.4	0.6	0.82	0.00
89F00340	F	9	0	11.2	38	0	0	0	62	0	0	9.5	25.8
89F00349	F	9	0	11.9	35	0	0	0	64	0	1	10.2	TNTC
89F00356	F	9	0	9.2	54	0	0	0	41	3	2	11.3	TNTC
89F00367	F	9	0	8.5	25	0	0	0	74	0	1	8.8	TNTC
89F00384	F	9	0	9.7	30	0	0	0	66	4	0	8.9	TNTC
Mean				10.10	36.4	0.0	0.0	0.0	61.4	1.4	0.8	9.74	125.16
Std Dev				1.41	11.0	0.0	0.0	0.0	12.3	1.9	0.8	1.04	55.54
SEM				0.63	4.9	0.0	0.0	0.0	5.5	0.9	0.4	0.46	24.84

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	1	4.39	10.5	30.5	69.5	23.9	34.4	366	6.3	0
89F00351	F	10	1	5.74	12.7	37.1	64.7	22.1	34.2	353	6.3	0
89F00364	F	10	1	4.82	11.2	32.8	68.1	23.2	34.1	309	8.3	0
89F00373	F	10	1	4.47	10.6	32.1	71.8	23.7	33.0	432	8.9	0
89F00381	F	10	1	5.36	11.5	34.9	65.2	21.5	33.0	352	9.9	0
Mean				4.956	11.30	33.48	67.86	22.88	33.74	362.4	7.94	0.0
Std Dev				0.582	0.89	2.57	2.97	1.04	0.68	44.5	1.60	0.0
SEM				0.260	0.40	1.15	1.33	0.47	0.31	19.9	0.72	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	1	4.82	10.2	31.8	66.0	21.2	32.1	566	4.3	1
89F00339	F	1	1	4.35	10.2	30.5	70.0	23.4	33.4	464	8.5	0
89F00352	F	1	1	4.63	9.8	30.7	66.4	21.2	31.9	434	7.3	0
89F00369	F	1	1	5.62	11.8	35.5	63.2	21.0	33.2	269	9.9	0
89F00377	F	1	1	4.92	10.7	32.6	66.2	21.7	32.8	213	7.5	0
Mean				4.868	10.54	32.22	66.36	21.70	32.68	389.2	7.50	0.2
Std Dev				0.473	0.77	2.02	2.42	0.98	0.66	145.2	2.06	0.4
SEM				0.212	0.35	0.90	1.08	0.44	0.30	64.9	0.92	0.2
89F00337	F	2	1	4.68	10.8	32.3	69.0	23.1	33.4	433	8.8	0
89F00358	F	2	1	3.94	9.2	27.5	69.7	23.4	33.5	437	9.6	0
89F00371	F	2	1	4.51	10.4	30.9	68.5	23.1	33.7	384	8.4	0
89F00389	F	2	1	5.06	11.5	34.2	67.5	22.7	33.6	435	9.6	4
89F00391	F	2	1	4.22	9.4	28.4	67.3	22.3	33.1	410	8.9	0
Mean				4.482	10.26	30.66	68.40	22.92	33.46	419.8	9.06	0.8
Std Dev				0.429	0.96	2.76	1.01	0.43	0.23	22.8	0.53	1.8
SEM				0.192	0.43	1.23	0.45	0.19	0.10	10.2	0.24	0.8
89F00348	F	3	1	4.48	10.8	31.5	70.3	24.1	34.3	418	6.2	0
89F00355	F	3	1	4.57	10.1	31.8	69.5	22.1	31.8	398	8.8	1
89F00368	F	3	1	4.38	10.5	31.1	71.1	24.0	33.8	280	10.3	0
89F00370	F	3	1	4.37	10.7	31.1	71.1	24.5	34.4	323	8.5	0
89F00383	F	3	1	4.75	10.9	32.7	68.8	22.9	33.3	331	7.4	0
Mean				4.510	10.60	31.64	70.16	23.52	33.52	350.0	8.24	0.2
Std Dev				0.157	0.32	0.66	1.01	0.99	1.06	56.8	1.54	0.4
SEM				0.070	0.14	0.30	0.45	0.44	0.47	25.4	0.69	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	1	4.67	10.9	33.8	72.3	23.3	32.2	299	8.9	2
89F00354	F	4	1	4.61	10.5	32.4	70.3	22.8	32.4	280	8.8	0
89F00374	F	4	1	2.79	8.0	26.3	94.3	28.7	30.4	255	12.0	18
89F00380	F	4	1	4.64	11.0	32.1	69.2	23.7	34.3	398	10.3	2
89F00387	F	4	1	3.92	9.1	26.7	68.0	23.2	34.1	469	7.7	0
Mean				4.126	9.90	30.26	74.82	24.34	32.68	340.2	9.54	4.4
Std Dev				0.810	1.31	3.49	11.00	2.46	1.59	90.2	1.66	7.7
SEM				0.362	0.58	1.56	4.92	1.10	0.71	40.3	0.74	3.4
89F00341	F	5	1	5.20	12.8	38.0	73.0	24.6	33.7	550	9.0	3
89F00347	F	5	1	4.72	11.4	33.4	70.8	24.2	34.1	272	9.1	3
89F00360	F	5	1	5.12	10.6	32.3	63.1	20.7	32.8	272	9.6	1
89F00375	F	5	1	4.57	10.3	30.6	66.9	22.5	33.7	420	9.5	0
89F00394	F	5	1	4.98	11.3	33.8	67.8	22.7	33.4	364	7.6	0
Mean				4.918	11.28	33.62	68.32	22.94	33.54	375.6	8.96	1.4
Std Dev				0.267	0.97	2.74	3.79	1.55	0.48	116.2	0.80	1.5
SEM				0.119	0.43	1.23	1.70	0.69	0.22	52.0	0.36	0.7
89F00343	F	6	1	4.52	10.9	31.8	70.4	24.1	34.3	377	8.4	2
89F00357	F	6	1	5.12	11.1	33.7	65.9	21.7	32.9	364	8.7	0
89F00362	F	6	1	4.08	9.5	28.8	70.7	23.3	33.0	540	10.3	20
89F00363	F	6	1	4.90	11.0	33.1	67.5	22.4	33.2	480	10.3	0
89F00379	F	6	1	5.06	11.5	34.8	68.8	22.7	33.0	363	9.2	1
Mean				4.736	10.80	32.44	68.66	22.84	33.28	424.8	9.38	4.6
Std Dev				0.435	0.76	2.30	2.01	0.91	0.58	80.8	0.89	8.6
SEM				0.194	0.34	1.03	0.90	0.41	0.26	36.1	0.40	3.9

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	1	5.04	11.3	33.2	65.9	22.4	34.0	397	7.0	0
89F00353	F	7	1	5.04	10.8	32.6	64.7	21.4	33.1	384	9.3	1
89F00366	F	7	1	5.21	11.6	34.1	65.5	22.3	34.0	289	9.0	0
89F00372	F	7	1	4.42	10.5	30.8	69.6	23.8	34.1	387	10.1	0
89F00390	F	7	1	5.20	11.2	33.9	65.2	21.5	33.0	518	8.9	0
Mean				4.982	11.08	32.92	66.18	22.28	33.64	395.0	8.86	0.2
Std Dev				0.325	0.43	1.33	1.96	0.96	0.54	81.5	1.14	0.4
SEM				0.145	0.19	0.59	0.88	0.43	0.24	36.4	0.51	0.2
89F00346	F	8	1	4.69	10.5	31.5	67.2	22.4	33.3	288	8.2	0
89F00359	F	8	1	4.93	11.2	33.3	67.6	22.7	33.6	428	9.0	2
89F00365	F	8	1	4.30	10.2	29.5	68.7	23.7	34.6	337	9.2	0
89F00392	F	8	1	4.47	10.3	31.0	69.4	23.0	33.2	382	9.7	0
89F00393	F	8	1	5.52	11.4	34.1	61.8	20.7	33.4	340	7.1	0
Mean				4.782	10.72	31.88	66.94	22.50	33.62	355.0	8.64	0.4
Std Dev				0.476	0.54	1.84	3.00	1.12	0.57	52.7	1.02	0.9
SEM				0.213	0.24	0.82	1.34	0.50	0.25	23.6	0.45	0.4
89F00340	F	9	1	4.48	10.0	29.7	66.2	22.3	33.7	244	5.0	0
89F00349	F	9	1	4.20	9.8	28.3	67.3	23.3	34.6	334	8.6	5
89F00356	F	9	1	4.69	11.1	33.1	70.6	23.7	33.5	351	8.6	0
89F00367	F	9	1	4.11	9.4	27.4	66.6	22.9	34.3	448	8.6	0
89F00384	F	9	1	4.77	10.5	30.9	64.8	22.0	34.0	191	7.0	0
Mean				4.450	10.16	29.88	67.10	22.84	34.02	313.6	7.56	1.0
Std Dev				0.291	0.66	2.24	2.16	0.70	0.44	99.7	1.59	2.2
SEM				0.130	0.29	1.00	0.97	0.31	0.20	44.6	0.71	1.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	1	7.1	35	0	0	0	65	0	0	7.0	9.1
89F00351	F	10	1	11.4	44	0	0	0	55	1	0	8.4	TNTC
89F00364	F	10	1	11.3	42	0	0	0	49	5	4	10.5	TNTC
89F00373	F	10	1	11.7	28	0	0	0	72	0	0	8.9	TNTC
89F00381	F	10	1	9.5	38	0	0	0	60	2	0	9.0	TNTC
Mean				10.20	37.4	0.0	0.0	0.0	60.2	1.6	0.8	8.76	121.82
Std Dev				1.94	6.3	0.0	0.0	0.0	8.9	2.1	1.8	1.26	63.01
SEM				0.87	2.8	0.0	0.0	0.0	4.0	0.9	0.8	0.56	28.18

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	1	10.4	71	0	0	0	25	4	0	8.8	TNTC
89F00339	F	1	1	8.0	77	0	0	0	20	2	1	7.4	TNTC
89F00352	F	1	1	11.1	55	0	0	0	45	0	0	5.8	45.6
89F00369	F	1	1	10.8	26	0	0	0	69	3	2	10.0	26.1
89F00377	F	1	1	10.0	40	0	0	0	55	3	2	6.8	50.6
Mean				10.06	53.8	0.0	0.0	0.0	42.8	2.4	1.0	7.76	84.46
Std Dev				1.22	21.2	0.0	0.0	0.0	20.5	1.5	1.0	1.66	60.53
SEM				0.55	9.5	0.0	0.0	0.0	9.2	0.7	0.4	0.74	27.07
89F00337	F	2	1	12.3	47	0	0	0	49	3	1	12.3	TNTC
89F00358	F	2	1	7.7	46	0	0	0	48	2	4	8.0	TNTC
89F00371	F	2	1	8.0	23	0	0	0	76	0	1	12.6	TNTC
89F00389	F	2	1	8.0	42	0	0	0	49	4	5	8.0	TNTC
89F00391	F	2	1	10.2	56	0	0	0	41	3	0	8.5	TNTC
Mean				9.24	42.8	0.0	0.0	0.0	52.6	2.4	2.2	9.88	150.00
Std Dev				1.98	12.2	0.0	0.0	0.0	13.5	1.5	2.2	2.36	0.00
SEM				0.89	5.5	0.0	0.0	0.0	6.0	0.7	1.0	1.05	0.00
89F00348	F	3	1	7.2	60	0	0	0	40	0	0	9.1	TNTC
89F00355	F	3	1	7.8	38	0	0	0	57	1	4	11.0	TNTC
89F00368	F	3	1	16.0	27	0	0	0	68	2	3	8.6	83.9
89F00370	F	3	1	8.6	33	0	0	0	67	0	0	TNTC	TNTC
89F00383	F	3	1	8.5	50	0	0	0	47	2	1	8.8	TNTC
Mean				9.62	41.6	0.0	0.0	0.0	55.8	1.0	1.6	9.38	136.78
Std Dev				3.61	13.3	0.0	0.0	0.0	12.3	1.0	1.8	1.10	29.56
SEM				1.62	6.0	0.0	0.0	0.0	5.5	0.4	0.8	0.55	13.22

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	1	7.5	36	0	0	0	64	0	0	6.8	68.2
89F00354	F	4	1	9.1	41	0	0	0	56	0	3	9.0	TNTC
89F00374	F	4	1	14.7	27	0	0	0	69	2	2	11.1	TNTC
89F00380	F	4	1	10.0	37	0	0	0	60	1	2	7.5	TNTC
89F00387	F	4	1	6.9	28	0	0	0	72	0	0	7.0	37.4
Mean				9.64	33.8	0.0	0.0	0.0	64.2	0.6	1.4	8.28	111.12
Std Dev				3.09	6.1	0.0	0.0	0.0	6.5	0.9	1.3	1.80	54.34
SEM				1.38	2.7	0.0	0.0	0.0	2.9	0.4	0.6	0.80	24.30
89F00341	F	5	1	11.7	69	0	0	0	30	1	0	7.6	TNTC
89F00347	F	5	1	9.8	35	0	0	0	61	2	2	10.0	TNTC
89F00360	F	5	1	10.4	32	0	0	0	66	1	1	9.6	TNTC
89F00375	F	5	1	7.3	46	0	0	0	50	1	3	11.6	TNTC
89F00394	F	5	1	10.6	34	0	0	0	64	2	0	13.4	TNTC
Mean				9.96	43.2	0.0	0.0	0.0	54.2	1.4	1.2	10.44	150.00
Std Dev				1.64	15.4	0.0	0.0	0.0	14.9	0.5	1.3	2.18	0.00
SEM				0.73	6.9	0.0	0.0	0.0	6.7	0.2	0.6	0.98	0.00
89F00343	F	6	1	7.5	43	0	0	0	55	0	2	8.0	TNTC
89F00357	F	6	1	8.1	33	0	0	0	62	1	4	9.6	TNTC
89F00362	F	6	1	13.6	42	0	0	0	54	2	2	8.0	TNTC
89F00363	F	6	1	12.5	39	0	0	0	57	2	2	9.5	TNTC
89F00379	F	6	1	9.7	42	0	0	0	53	1	4	8.0	TNTC
Mean				10.28	39.8	0.0	0.0	0.0	56.2	1.2	2.8	8.62	150.00
Std Dev				2.68	4.1	0.0	0.0	0.0	3.6	0.8	1.1	0.85	0.00
SEM				1.20	1.8	0.0	0.0	0.0	1.6	0.4	0.5	0.38	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	1	7.6	53	0	0	0	43	2	2	7.3	TNTC
89F00353	F	7	1	7.6	40	0	0	0	54	1	5	8.2	TNTC
89F00366	F	7	1	10.6	40	0	0	0	55	4	1	11.8	TNTC
89F00372	F	7	1	7.8	45	0	0	0	52	2	1	8.0	TNTC
89F00390	F	7	1	8.5	49	0	0	0	48	0	3	8.6	TNTC
Mean				8.42	45.4	0.0	0.0	0.0	50.4	1.8	2.4	8.78	150.00
Std Dev				1.27	5.7	0.0	0.0	0.0	4.9	1.5	1.7	1.75	0.00
SEM				0.57	2.5	0.0	0.0	0.0	2.2	0.7	0.7	0.78	0.00
89F00346	F	8	1	7.8	35	0	0	0	60	1	4	7.2	TNTC
89F00359	F	8	1	8.5	25	0	0	0	66	2	7	10.5	TNTC
89F00365	F	8	1	11.2	49	0	0	0	48	3	0	10.0	TNTC
89F00392	F	8	1	9.6	40	0	0	0	54	1	5	9.0	TNTC
89F00393	F	8	1	9.0	36	0	0	0	62	1	1	16.5	TNTC
Mean				9.22	37.0	0.0	0.0	0.0	58.0	1.6	3.4	10.64	150.00
Std Dev				1.29	8.7	0.0	0.0	0.0	7.1	0.9	2.9	3.51	0.00
SEM				0.58	3.9	0.0	0.0	0.0	3.2	0.4	1.3	1.57	0.00
89F00340	F	9	1	9.2	31	0	0	0	68	0	1	8.4	TNTC
89F00349	F	9	1	11.1	65	0	0	0	34	1	0	9.3	TNTC
89F00356	F	9	1	9.2	69	0	0	0	26	2	3	8.6	TNTC
89F00367	F	9	1	10.1	24	0	0	0	74	1	1	12.0	TNTC
89F00384	F	9	1	9.6	20	0	0	0	80	0	0	8.3	TNTC
Mean				9.84	41.8	0.0	0.0	0.0	56.4	0.8	1.0	9.32	150.00
Std Dev				0.80	23.4	0.0	0.0	0.0	24.6	0.8	1.2	1.55	0.00
SEM				0.36	10.5	0.0	0.0	0.0	11.0	0.4	0.5	0.69	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	2	4.20	10.3	29.5	70.3	24.5	34.9	371	8.3	0
89F00351	F	10	2	5.45	12.1	35.9	65.8	22.2	33.7	304	9.1	0
89F00364	F	10	2	4.72	10.5	31.8	67.3	22.2	33.0	358	9.4	0
89F00373	F	10	2	4.44	10.5	31.6	71.2	23.6	33.2	431	8.0	0
89F00381	F	10	2	4.80	10.6	31.5	65.7	22.1	33.7	292	10.9	0
Mean				4.722	10.80	32.06	68.06	22.92	33.70	351.2	9.14	0.0
Std Dev				0.471	0.73	2.34	2.56	1.08	0.74	56.0	1.14	0.0
SEM				0.211	0.33	1.05	1.14	0.48	0.33	25.0	0.51	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	2	4.38	9.9	28.4	64.9	22.6	34.9	540	7.9	0
89F00339	F	1	2	4.10	9.3	28.3	69.0	22.7	32.9	491	7.6	0
89F00352	F	1	2	4.29	9.6	29.1	67.8	22.4	33.0	491	9.8	0
89F00369	F	1	2	4.94	10.6	31.1	62.9	21.5	34.1	241	10.4	0
89F00377	F	1	2	4.48	10.0	30.0	66.9	22.3	33.3	238	10.1	0
Mean				4.438	9.88	29.38	66.30	22.30	33.64	400.2	9.16	0.0
Std Dev				0.314	0.49	1.18	2.42	0.47	0.85	148.1	1.31	0.0
SEM				0.140	0.22	0.53	1.08	0.21	0.38	66.2	0.59	0.0
89F00337	F	2	2	4.15	9.5	28.4	68.5	22.9	33.5	458	6.8	1
89F00358	F	2	2	3.61	8.5	25.7	71.2	23.5	33.1	410	7.1	0
89F00371	F	2	2	4.01	9.1	27.7	69.2	22.7	32.9	348	9.5	0
89F00389	F	2	2	4.77	11.0	32.6	68.3	23.1	33.7	472	10.8	3
89F00391	F	2	2	3.84	8.9	26.8	69.8	23.2	33.2	432	7.3	0
Mean				4.076	9.40	28.24	69.40	23.08	33.28	424.0	8.30	0.8
Std Dev				0.437	0.96	2.64	1.17	0.30	0.32	48.7	1.76	1.3
SEM				0.195	0.43	1.18	0.52	0.14	0.14	21.8	0.79	0.6
89F00348	F	3	2	3.83	9.4	27.3	71.4	24.5	34.4	391	6.7	0
89F00355	F	3	2	3.99	9.2	28.3	70.9	23.1	32.5	366	8.9	0
89F00368	F	3	2	4.19	10.0	29.9	71.4	23.9	33.4	308	10.3	0
89F00370	F	3	2	4.35	10.3	30.5	70.1	23.7	33.8	339	9.3	0
89F00383	F	3	2	4.31	10.1	29.7	69.0	23.4	34.0	333	9.4	0
Mean				4.134	9.80	29.14	70.56	23.72	33.62	347.4	8.92	0.0
Std Dev				0.220	0.47	1.31	1.02	0.53	0.72	31.9	1.34	0.0
SEM				0.098	0.21	0.58	0.46	0.24	0.32	14.3	0.60	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	2	4.42	10.6	31.7	71.8	24.0	33.4	349	9.2	6
89F00354	F	4	2	4.05	9.6	29.1	71.8	23.7	33.0	250	10.1	0
89F00374	F	4	2	2.89	8.1	26.3	90.9	28.0	30.8	205	10.5	4
89F00380	F	4	2	4.44	10.2	30.8	69.4	23.0	33.1	354	10.2	0
89F00387	F	4	2	4.31	10.0	29.6	68.7	23.2	33.8	534	11.5	0
Mean				4.022	9.70	29.50	74.52	24.38	32.82	338.4	10.30	2.0
Std Dev				0.652	0.96	2.06	9.26	2.06	1.17	126.7	0.83	2.8
SEM				0.291	0.43	0.92	4.14	0.92	0.52	56.7	0.37	1.3
89F00341	F	5	2	4.51	11.2	32.6	72.2	24.8	34.4	541	8.1	0
89F00347	F	5	2	4.42	10.7	31.0	70.1	24.2	34.5	226	6.7	0
89F00360	F	5	2	4.84	10.3	30.9	63.9	21.3	33.3	298	8.2	0
89F00375	F	5	2	4.20	9.1	28.0	66.6	21.7	32.5	454	8.4	0
89F00394	F	5	2	4.35	10.0	29.8	68.6	23.0	33.6	445	10.4	0
Mean				4.464	10.26	30.46	68.28	23.00	33.66	392.8	8.36	0.0
Std Dev				0.239	0.79	1.70	3.19	1.52	0.83	127.7	1.32	0.0
SEM				0.107	0.35	0.76	1.43	0.68	0.37	57.1	0.59	0.0
89F00343	F	6	2	4.44	10.4	31.4	70.7	23.4	33.1	370	7.1	2
89F00357	F	6	2	4.39	10.0	29.5	67.1	22.8	33.9	349	9.9	0
89F00362	F	6	2	3.16	7.8	23.3	73.6	24.7	33.5	458	10.0	8
89F00363	F	6	2	died								
89F00379	F	6	2	4.69	10.9	32.3	68.8	23.2	33.7	365	11.0	1
Mean				4.170	9.78	29.13	70.05	23.53	33.55	385.5	9.50	2.8
Std Dev				0.686	1.37	4.05	2.79	0.82	0.34	49.2	1.68	3.6
SEM				0.343	0.68	2.03	1.39	0.41	0.17	24.6	0.84	1.8

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	2	4.56	10.1	30.3	66.4	22.1	33.3	409	6.8	1
89F00353	F	7	2	4.20	9.5	28.1	67.0	22.6	33.8	315	8.8	0
89F00366	F	7	2	4.89	10.7	31.6	64.7	21.9	33.9	303	9.7	3
89F00372	F	7	2	4.43	10.3	30.5	68.8	23.3	33.8	422	10.1	0
89F00390	F	7	2	4.85	10.4	31.9	65.8	21.4	32.6	509	11.0	0
Mean				4.586	10.20	30.48	66.54	22.26	33.48	391.6	9.28	0.8
Std Dev				0.290	0.45	1.50	1.52	0.72	0.54	84.7	1.60	1.3
SEM				0.130	0.20	0.67	0.68	0.32	0.24	37.9	0.71	0.6
89F00346	F	8	2	4.39	10.1	29.7	67.6	23.0	34.0	HT	6.6	0
89F00359	F	8	2	4.44	10.0	31.0	69.9	22.5	32.3	400	8.4	0
89F00365	F	8	2	3.98	8.8	26.5	66.7	22.1	33.2	327	9.7	1
89F00392	F	8	2	4.38	10.4	30.5	69.6	23.7	34.1	421	11.4	0
89F00393	F	8	2	4.69	9.9	29.1	62.1	21.1	34.0	388	10.1	0
Mean				4.376	9.84	29.36	67.18	22.48	33.52	384.0	9.24	0.2
Std Dev				0.255	0.61	1.76	3.14	0.98	0.77	40.4	1.82	0.4
SEM				0.114	0.27	0.79	1.40	0.44	0.35	20.2	0.82	0.2
89F00340	F	9	2	3.72	8.2	24.6	66.1	22.0	33.3	314	5.5	0
89F00349	F	9	2	3.99	9.0	26.9	67.5	22.6	33.5	334	7.1	0
89F00356	F	9	2	4.22	10.0	30.2	71.6	27.3	33.1	355	9.9	0
89F00367	F	9	2	3.87	8.8	25.5	65.9	22.7	34.5	343	10.6	0
89F00384	F	9	2	4.57	10.0	29.6	64.8	21.9	33.8	201	10.6	0
Mean				4.074	9.20	27.36	67.18	23.30	33.64	309.4	8.74	0.0
Std Dev				0.332	0.79	2.47	2.65	2.26	0.55	62.4	2.32	0.0
SEM				0.149	0.35	1.10	1.19	1.01	0.24	27.9	1.04	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	2	9.9	18	0	0	0	81	1	0	10.0	TNTC
89F00351	F	10	2	9.9	35	0	0	0	58	4	3	2.6	13.0
89F00364	F	10	2	11.1	42	0	0	0	51	4	3	10.3	TNTC
89F00373	F	10	2	11.0	22	0	0	0	75	1	2	7.3	TNTC
89F00381	F	10	2	11.0	34	0	0	0	62	3	1	13.6	TNTC
Mean				10.58	30.2	0.0	0.0	0.0	65.4	2.6	1.8	8.76	122.60
Std Dev				0.62	9.9	0.0	0.0	0.0	12.3	1.5	1.3	4.11	61.27
SEM				0.28	4.4	0.0	0.0	0.0	5.5	0.7	0.6	1.84	27.40

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	2	10.3	35	0	0	0	62	3	0	8.8	TNTC
89F00339	F	1	2	10.3	46	0	0	0	54	0	0	7.0	TNTC
89F00352	F	1	2	10.2	51	0	0	0	49	0	0	8.5	41.5
89F00369	F	1	2	8.9	24	0	0	0	72	1	3	8.6	TNTC
89F00377	F	1	2	9.3	41	0	0	0	57	0	2	10.1	TNTC
Mean				9.80	39.4	0.0	0.0	0.0	58.8	0.8	1.0	8.60	128.30
Std Dev				0.66	10.5	0.0	0.0	0.0	8.8	1.3	1.4	1.10	48.52
SEM				0.29	4.7	0.0	0.0	0.0	3.9	0.6	0.6	0.49	21.70
89F00337	F	2	2	13.3	38	0	0	0	59	1	2	8.8	TNTC
89F00358	F	2	2	6.9	50	0	0	0	48	2	0	7.0	TNTC
89F00371	F	2	2	9.3	23	0	0	0	75	1	1	8.7	TNTC
89F00389	F	2	2	6.7	30	0	0	0	67	1	2	7.6	TNTC
89F00391	F	2	2	12.3	47	0	0	0	51	2	0	4.3	TNTC
Mean				9.70	37.6	0.0	0.0	0.0	60.0	1.4	1.0	7.28	150.00
Std Dev				3.03	11.3	0.0	0.0	0.0	11.2	0.5	1.0	1.83	0.00
SEM				1.35	5.1	0.0	0.0	0.0	5.0	0.2	0.4	0.82	0.00
89F00348	F	3	2	8.3	36	0	0	0	63	1	0	8.8	TNTC
89F00355	F	3	2	7.2	27	0	0	0	69	2	2	10.0	TNTC
89F00368	F	3	2	13.2	26	0	0	0	71	1	2	9.0	TNTC
89F00370	F	3	2	6.6	40	0	0	0	56	0	4	TNTC	TNTC
89F00383	F	3	2	6.2	30	0	0	0	65	2	3	11.0	TNTC
Mean				8.30	31.8	0.0	0.0	0.0	64.8	1.2	2.2	9.70	150.00
Std Dev				2.85	6.0	0.0	0.0	0.0	5.8	0.8	1.5	1.01	0.00
SEM				1.28	2.7	0.0	0.0	0.0	2.6	0.4	0.7	0.51	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	2	7.8	42	0	0	0	53	3	2	9.0	TNTC
89F00354	F	4	2	9.2	55	0	0	0	41	3	1	8.8	TNTC
89F00374	F	4	2	13.2	27	0	0	0	69	2	2	7.8	TNTC
89F00380	F	4	2	10.4	28	0	0	0	67	2	3	7.2	TNTC
89F00387	F	4	2	6.7	33	0	0	0	61	1	5	6.3	3.6
Mean				9.46	37.0	0.0	0.0	0.0	58.2	2.2	2.6	7.82	120.72
Std Dev				2.52	11.7	0.0	0.0	0.0	11.5	0.8	1.5	1.12	65.47
SEM				1.12	5.2	0.0	0.0	0.0	5.1	0.4	0.7	0.50	29.28
89F00341	F	5	2	10.5	57	0	0	0	40	3	0	8.8	TNTC
89F00347	F	5	2	10.8	28	0	0	0	71	0	1	11.0	TNTC
89F00360	F	5	2	12.2	33	0	0	0	57	5	5	6.3	TNTC
89F00375	F	5	2	8.4	24	0	0	0	72	1	3	7.8	TNTC
89F00394	F	5	2	10.1	24	0	0	0	73	0	3	7.3	TNTC
Mean				10.40	33.2	0.0	0.0	0.0	62.6	1.8	2.4	8.24	150.00
Std Dev				1.37	13.8	0.0	0.0	0.0	14.2	2.2	1.9	1.79	0.00
SEM				0.61	6.2	0.0	0.0	0.0	6.4	1.0	0.9	0.80	0.00
89F00343	F	6	2	8.9	34	0	0	0	62	3	1	8.7	TNTC
89F00357	F	6	2	10.0	37	0	0	0	57	5	1	7.6	TNTC
89F00362	F	6	2	14.2	40	0	0	0	60	0	0	8.0	TNTC
89F00363	F	6	2	died									
89F00379	F	6	2	12.9	54	0	0	0	42	2	2	10.0	TNTC
Mean				11.50	41.3	0.0	0.0	0.0	55.3	2.5	1.0	8.58	150.00
Std Dev				2.47	8.8	0.0	0.0	0.0	9.1	2.1	0.8	1.05	0.00
SEM				1.23	4.4	0.0	0.0	0.0	4.5	1.0	0.4	0.53	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	2	7.2	35	0	0	0	63	1	1	8.5	TNTC
89F00353	F	7	2	7.2	49	0	0	0	50	1	0	13.0	TNTC
89F00366	F	7	2	11.5	41	0	0	0	56	2	1	8.2	TNTC
89F00372	F	7	2	7.6	44	0	0	0	50	0	6	7.8	TNTC
89F00390	F	7	2	7.8	49	0	0	0	49	0	2	9.3	TNTC
Mean				8.26	43.6	0.0	0.0	0.0	53.6	0.8	2.0	9.36	150.00
Std Dev				1.83	5.9	0.0	0.0	0.0	5.9	0.8	2.3	2.11	0.00
SEM				0.82	2.6	0.0	0.0	0.0	2.7	0.4	1.0	0.94	0.00
89F00346	F	8	2	7.6	44	0	0	0	56	0	0	9.2	TNTC
89F00359	F	8	2	9.3	42	0	0	0	53	1	4	6.8	TNTC
89F00365	F	8	2	11.9	32	0	0	0	63	2	3	9.5	TNTC
89F00392	F	8	2	7.9	46	0	0	0	50	1	3	8.6	TNTC
89F00393	F	8	2	7.7	36	0	0	0	63	0	1	15.0	23.2
Mean				8.88	40.0	0.0	0.0	0.0	57.0	0.8	2.2	9.82	124.64
Std Dev				1.82	5.8	0.0	0.0	0.0	5.9	0.8	1.6	3.08	56.71
SEM				0.82	2.6	0.0	0.0	0.0	2.6	0.4	0.7	1.38	25.36
89F00340	F	9	2	10.4	49	0	0	0	50	1	0	8.6	29.6
89F00349	F	9	2	12.1	45	0	0	0	54	1	0	8.8	TNTC
89F00356	F	9	2	8.9	52	0	0	0	41	4	3	8.8	TNTC
89F00367	F	9	2	7.4	21	0	0	0	79	0	0	19.8	TNTC
89F00384	F	9	2	7.6	21	0	0	0	75	2	2	6.8	31.2
Mean				9.28	37.6	0.0	0.0	0.0	59.8	1.6	1.0	10.56	102.16
Std Dev				1.98	15.4	0.0	0.0	0.0	16.5	1.5	1.4	5.23	65.51
SEM				0.89	6.9	0.0	0.0	0.0	7.4	0.7	0.6	2.34	29.30

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	3	3.77	9.3	27.2	72.2	24.7	34.2	344	9.2	0
89F00351	F	10	3	5.01	10.9	32.6	65.1	21.8	33.4	363	8.8	2
89F00364	F	10	3	4.29	9.7	29.3	68.3	22.6	33.1	354	10.3	0
89F00373	F	10	3	3.99	9.9	29.1	72.9	24.8	34.0	524	11.0	0
89F00381	F	10	3	4.67	10.2	31.1	66.5	21.8	32.8	275	11.3	2
Mean				4.346	10.00	29.86	69.00	23.14	33.50	372.0	10.12	0.8
Std Dev				0.502	0.60	2.06	3.44	1.51	0.59	91.8	1.09	1.1
SEM				0.224	0.27	0.92	1.54	0.67	0.26	41.0	0.49	0.5

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	3	4.33	10.0	29.5	68.1	23.1	33.9	489	8.3	0
89F00339	F	1	3	3.78	9.1	27.7	73.3	24.1	32.9	568	8.0	0
89F00352	F	1	3	3.23	7.0	21.4	66.2	21.7	32.7	206	9.2	0
89F00369	F	1	3	4.69	10.5	29.9	63.8	22.4	35.1	278	10.7	0
89F00377	F	1	3	4.52	9.9	30.2	66.8	21.9	32.8	271	11.5	0
Mean				4.110	9.30	27.74	67.64	22.64	33.48	362.4	9.54	0.0
Std Dev				0.599	1.38	3.67	3.53	0.98	1.03	156.7	1.52	0.0
SEM				0.268	0.62	1.64	1.58	0.44	0.46	70.1	0.68	0.0
89F00337	F	2	3	3.66	9.0	26.1	71.2	24.6	34.5	476	8.7	1
89F00358	F	2	3	3.56	8.7	25.0	70.2	24.4	34.8	368	6.4	0
89F00371	F	2	3	3.49	8.1	24.6	68.8	23.2	33.8	345	10.3	0
89F00389	F	2	3	4.39	10.1	30.3	69.1	23.0	33.3	540	11.0	0
89F00391	F	2	3	3.56	8.3	24.4	68.5	23.3	34.0	407	9.3	0
Mean				3.732	8.84	26.08	69.56	23.70	34.08	427.2	9.14	0.2
Std Dev				0.373	0.79	2.45	1.12	0.74	0.59	80.3	1.77	0.4
SEM				0.167	0.35	1.10	0.50	0.33	0.26	35.9	0.79	0.2
89F00348	F	3	3	3.52	8.8	25.7	73.0	25.0	34.2	368	6.5	0
89F00355	F	3	3	4.01	9.3	27.9	69.6	23.2	33.3	331	10.2	0
89F00368	F	3	3	3.85	9.3	28.1	73.0	24.2	33.1	352	11.3	0
89F00370	F	3	3	3.76	9.2	26.8	71.3	24.5	34.3	250	10.8	0
89F00383	F	3	3	4.07	9.4	28.1	69.0	23.1	33.5	392	11.6	0
Mean				3.842	9.20	27.32	71.18	24.00	33.68	338.6	10.08	0.0
Std Dev				0.218	0.23	1.05	1.86	0.83	0.54	54.3	2.07	0.0
SEM				0.098	0.10	0.47	0.83	0.37	0.24	24.3	0.93	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	3	4.21	10.3	31.3	74.3	24.5	32.9	349	8.5	0
89F00354	F	4	3	3.93	9.4	28.1	71.5	23.9	33.5	258	8.9	0
89F00374	F	4	3	3.05	8.6	27.1	88.9	28.2	31.7	213	11.3	0
89F00380	F	4	3	4.07	9.4	28.9	70.9	23.1	32.5	387	11.0	0
89F00387	F	4	3	3.94	9.2	27.5	69.7	23.4	33.5	576	10.3	0
Mean				3.840	9.38	28.58	75.06	24.62	32.82	356.6	10.00	0.0
Std Dev				0.456	0.61	1.66	7.92	2.07	0.76	140.9	1.25	0.0
SEM				0.204	0.27	0.74	3.54	0.93	0.34	63.0	0.56	0.0
89F00341	F	5	3	3.84	9.5	28.4	73.9	24.7	33.5	621	9.8	0
89F00347	F	5	3	3.84	9.8	28.1	73.2	25.5	34.9	174	9.3	5
89F00360	F	5	3	4.98	10.6	31.8	63.8	21.3	33.3	353	7.8	0
89F00375	F	5	3	4.08	9.1	27.4	67.2	22.3	33.2	457	10.2	0
89F00394	F	5	3	4.46	10.4	30.8	69.0	23.3	33.8	414	10.1	0
Mean				4.240	9.88	29.30	69.42	23.42	33.74	403.8	9.44	1.0
Std Dev				0.485	0.62	1.89	4.21	1.71	0.69	162.4	0.98	2.2
SEM				0.217	0.28	0.85	1.88	0.77	0.31	72.6	0.44	1.0
89F00343	F	6	3	3.94	9.9	29.9	75.8	25.1	33.1	377	8.0	0
89F00357	F	6	3	4.43	10.2	29.8	67.2	23.0	34.2	365	10.5	1
89F00362	F	6	3	2.47	6.2	19.2	77.9	25.1	32.3	448	10.8	0
89F00363	F	6	3	died								
89F00379	F	6	3	4.63	10.7	32.1	69.3	23.1	33.3	445	10.6	0
Mean				3.868	9.25	27.75	72.55	24.08	33.23	408.8	9.98	0.3
Std Dev				0.976	2.06	5.80	5.11	1.18	0.78	43.9	1.32	0.5
SEM				0.488	1.03	2.90	2.56	0.59	0.39	21.9	0.66	0.3

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	3	4.25	9.5	29.2	68.6	22.4	32.5	435	9.2	3
89F00353	F	7	3	4.10	9.4	27.1	66.2	22.9	34.7	303	10.1	1
89F00366	F	7	3	4.48	9.9	29.3	65.5	22.1	33.8	292	10.1	4
89F00372	F	7	3	4.02	9.4	28.3	70.5	23.4	33.2	385	10.6	0
89F00390	F	7	3	4.09	10.6	32.6	65.9	21.5	32.5	569	11.3	0
Mean				4.189	9.76	29.30	67.34	22.46	33.34	396.8	10.26	1.6
Std Dev				0.183	0.51	2.05	2.14	0.73	0.93	113.0	0.77	1.8
SEM				0.082	0.23	0.91	0.96	0.33	0.42	50.5	0.34	0.8
89F00346	F	8	3	4.05	9.4	28.8	71.2	23.2	32.6	317	8.5	0
89F00359	F	8	3	3.94	9.4	27.4	69.6	23.9	34.3	476	9.1	0
89F00365	F	8	3	3.83	8.6	26.1	68.1	22.5	33.0	345	10.9	1
89F00392	F	8	3	4.22	10.0	29.7	70.3	23.7	33.7	460	10.2	0
89F00393	F	8	3	4.43	9.3	28.1	63.5	21.0	33.1	481	10.2	0
Mean				4.094	9.34	28.02	68.54	22.86	33.34	415.8	9.78	0.2
Std Dev				0.237	0.50	1.37	3.04	1.17	0.67	78.4	0.96	0.4
SEM				0.106	0.22	0.61	1.36	0.52	0.30	35.1	0.43	0.2
89F00340	F	9	3	3.30	7.7	22.8	69.0	23.3	33.8	368	9.0	0
89F00349	F	9	3	3.62	8.5	25.6	70.6	23.5	33.2	315	10.0	4
89F00356	F	9	3	4.11	9.6	29.3	71.2	23.4	32.8	348	9.8	3
89F00367	F	9	3	3.56	8.1	23.6	66.4	22.8	34.3	460	10.3	0
89F00384	F	9	3	4.61	9.7	30.2	65.6	21.0	32.0	220	11.0	0
Mean				3.840	8.72	26.30	68.56	22.80	33.22	342.2	10.02	1.4
Std Dev				0.521	0.90	3.33	2.49	1.04	0.89	87.0	0.73	1.9
SEM				0.233	0.40	1.49	1.11	0.47	0.40	38.9	0.33	0.9

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	3	6.7	32	0	0	0	68	0	0	4.2	6.8
89F00351	F	10	3	13.2	59	0	0	0	37	4	0	18.3	TNTC
89F00364	F	10	3	12.9	41	0	0	0	54	4	1	9.5	TNTC
89F00373	F	10	3	12.4	22	0	0	0	76	1	1	12.5	TNTC
89F00381	F	10	3	9.4	27	0	0	0	69	1	3	9.4	TNTC
Mean				10.92	36.2	0.0	0.0	0.0	60.8	2.0	1.0	10.78	121.36
Std Dev				2.80	14.5	0.0	0.0	0.0	15.5	1.9	1.2	5.16	64.04
SEM				1.25	6.5	0.0	0.0	0.0	6.9	0.8	0.5	2.31	28.64

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	3	11.8	72	0	0	0	26	2	0	7.3	44.8
89F00339	F	1	3	11.3	42	0	0	0	55	2	1	9.8	TNTC
89F00352	F	1	3	4.2	45	0	0	0	54	1	0	7.3	58.2
89F00369	F	1	3	8.6	16	0	0	0	82	1	1	9.2	TNTC
89F00377	F	1	3	7.6	50	0	0	0	47	2	1	9.0	TNTC
Mean				8.70	45.0	0.0	0.0	0.0	52.8	1.6	0.6	8.52	110.60
Std Dev				3.08	20.0	0.0	0.0	0.0	20.1	0.5	0.5	1.15	54.16
SEM				1.38	9.0	0.0	0.0	0.0	9.0	0.2	0.2	0.52	24.22
89F00337	F	2	3	14.4	43	0	0	0	54	2	1	10.3	TNTC
89F00358	F	2	3	5.9	41	0	0	0	56	2	1	9.0	TNTC
89F00371	F	2	3	6.4	25	0	0	0	73	1	1	TNTC	TNTC
89F00389	F	2	3	6.6	42	0	0	0	50	4	4	9.2	TNTC
89F00391	F	2	3	9.8	48	0	0	0	50	2	0	9.0	TNTC
Mean				8.62	39.8	0.0	0.0	0.0	56.6	2.2	1.4	9.38	150.00
Std Dev				3.58	8.7	0.0	0.0	0.0	9.5	1.1	1.5	0.62	0.00
SEM				1.60	3.9	0.0	0.0	0.0	4.3	0.5	0.7	0.31	0.00
89F00348	F	3	3	8.1	53	0	0	0	44	1	2	14.1	TNTC
89F00355	F	3	3	7.4	50	0	0	0	48	2	0	8.8	TNTC
89F00368	F	3	3	10.7	34	0	0	0	63	1	2	8.0	25.6
89F00370	F	3	3	5.3	52	0	0	0	48	0	0	8.6	25.0
89F00383	F	3	3	5.9	34	0	0	0	61	2	3	9.0	TNTC
Mean				7.48	44.6	0.0	0.0	0.0	52.8	1.2	1.4	9.70	100.12
Std Dev				2.12	9.7	0.0	0.0	0.0	8.6	0.8	1.3	2.49	68.30
SEM				0.95	4.4	0.0	0.0	0.0	3.8	0.4	0.6	1.11	30.55

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	3	9.8	55	0	0	0	44	1	0	20.0	TNTC
89F00354	F	4	3	7.2	79	0	0	0	20	0	1	8.0	TNTC
89F00374	F	4	3	9.6	39	0	0	0	59	1	1	9.8	TNTC
89F00380	F	4	3	13.4	38	0	0	0	56	3	3	1.6	2.8
89F00387	F	4	3	7.4	39	0	0	0	57	1	3	3.8	24.2
Mean				9.48	50.0	0.0	0.0	0.0	47.2	1.2	1.6	8.64	95.40
Std Dev				2.50	17.7	0.0	0.0	0.0	16.3	1.1	1.3	7.14	75.15
SEM				1.12	7.9	0.0	0.0	0.0	7.3	0.5	0.6	3.19	33.61
89F00341	F	5	3	10.0	70	0	0	0	29	0	1	10.0	TNTC
89F00347	F	5	3	11.6	29	0	0	0	67	1	3	14.0	TNTC
89F00360	F	5	3	12.5	36	0	0	0	62	2	0	8.2	TNTC
89F00375	F	5	3	8.4	16	0	0	0	77	1	6	10.0	TNTC
89F00394	F	5	3	8.8	28	0	0	0	68	1	3	16.8	TNTC
Mean				10.26	35.8	0.0	0.0	0.0	60.6	1.0	2.6	11.80	150.00
Std Dev				1.77	20.4	0.0	0.0	0.0	18.5	0.7	2.3	3.51	0.00
SEM				0.79	9.1	0.0	0.0	0.0	8.3	0.3	1.0	1.57	0.00
89F00343	F	6	3	9.4	26	0	0	0	73	0	1	10.0	TNTC
89F00357	F	6	3	9.1	40	0	0	0	58	2	0	11.2	TNTC
89F00362	F	6	3	18.0	50	0	0	0	49	1	0	8.8	TNTC
89F00363	F	6	3	died									
89F00379	F	6	3	10.8	33	0	0	0	60	3	4	9.8	TNTC
Mean				11.83	37.3	0.0	0.0	0.0	60.0	1.5	1.3	9.95	150.00
Std Dev				4.18	10.2	0.0	0.0	0.0	9.9	1.3	1.9	0.98	0.00
SEM				2.09	5.1	0.0	0.0	0.0	4.9	0.6	0.9	0.49	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	NET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	3	8.6	45	0	0	0	54	1	0	10.8	TNTC
89F00353	F	7	3	8.5	50	0	0	0	48	0	2	15.0	TNTC
89F00366	F	7	3	8.9	40	0	0	0	51	4	5	10.5	TNTC
89F00372	F	7	3	8.8	54	0	0	0	42	3	1	7.4	41.0
89F00390	F	7	3	8.3	36	0	0	0	61	0	3	7.5	TNTC
Mean				8.62	45.0	0.0	0.0	0.0	51.2	1.6	2.2	10.24	128.20
Std Dev				0.24	7.3	0.0	0.0	0.0	7.0	1.8	1.9	3.11	48.75
SEM				0.11	3.3	0.0	0.0	0.0	3.2	0.8	0.9	1.39	21.80
89F00346	F	8	3	8.5	52	0	0	0	48	0	0	17.2	TNTC
89F00359	F	8	3	9.3	27	0	0	0	70	1	2	8.2	TNTC
89F00365	F	8	3	11.2	26	0	0	0	72	1	1	9.5	TNTC
89F00392	F	8	3	10.1	46	0	0	0	50	2	2	12.6	TNTC
89F00393	F	8	3	10.7	33	0	0	0	64	1	2	9.8	TNTC
Mean				9.96	36.8	0.0	0.0	0.0	60.8	1.0	1.4	11.46	150.00
Std Dev				1.08	11.6	0.0	0.0	0.0	11.2	0.7	0.9	3.59	0.00
SEM				0.48	5.2	0.0	0.0	0.0	5.0	0.3	0.4	1.60	0.00
89F00340	F	9	3	8.5	60	0	0	0	37	1	2	14.2	TNTC
89F00349	F	9	3	10.5	50	0	0	0	47	2	1	15.2	TNTC
89F00356	F	9	3	9.8	55	0	0	0	41	4	0	9.2	TNTC
89F00367	F	9	3	8.5	29	0	0	0	69	1	1	8.3	TNTC
89F00384	F	9	3	7.3	21	0	0	0	74	3	2	19.8	TNTC
Mean				8.92	43.0	0.0	0.0	0.0	53.6	2.2	1.2	13.34	150.00
Std Dev				1.25	17.0	0.0	0.0	0.0	16.8	1.3	0.8	4.70	0.00
SEM				0.56	7.6	0.0	0.0	0.0	7.5	0.6	0.4	2.10	0.00

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	7	3.89	9.6	29.3	75.4	24.7	32.8	504	10.2	1
89F00351	F	10	7	5.08	11.4	34.2	67.3	22.4	33.3	538	9.1	0
89F00364	F	10	7	3.94	9.7	28.8	73.1	24.6	33.7	261	10.5	0
89F00373	F	10	7	4.34	10.7	32.6	75.2	24.7	32.8	575	10.7	0
89F00381	F	10	7	4.86	11.0	34.0	70.0	22.6	32.4	408	10.2	1
Mean				4.422	10.48	31.78	72.20	23.80	33.00	457.2	10.14	0.4
Std Dev				0.535	0.80	2.57	3.50	1.19	0.50	126.0	0.62	0.5
SEM				0.239	0.36	1.15	1.56	0.53	0.23	56.4	0.28	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	7	4.79	10.6	32.3	67.5	22.1	32.8	289	9.1	0
89F00339	F	1	7	3.96	9.6	28.9	72.9	24.2	33.2	587	8.9	0
89F00352	F	1	7	5.00	11.0	33.7	67.3	22.0	32.6	476	10.4	0
89F00369	F	1	7	4.37	9.9	28.9	66.2	22.7	34.3	244	10.8	0
89F00377	F	1	7	4.39	9.9	30.1	68.5	22.6	32.9	303	11.4	0
Mean				4.502	10.20	30.78	68.48	22.72	33.16	379.8	10.12	0.0
Std Dev				0.405	0.58	2.14	2.60	0.88	0.67	145.6	1.08	0.0
SEM				0.181	0.26	0.96	1.16	0.39	0.30	65.1	0.49	0.0
89F00337	F	2	7	3.80	9.1	26.8	70.6	23.9	34.0	469	8.9	0
89F00358	F	2	7	3.42	8.2	24.4	71.3	24.0	33.6	269	8.6	0
89F00371	F	2	7	3.47	8.2	24.2	69.7	23.6	33.9	271	9.9	0
89F00389	F	2	7	4.28	10.2	30.5	71.2	23.8	33.4	392	10.3	0
89F00391	F	2	7	3.68	8.9	26.9	73.2	24.2	33.1	295	9.8	0
Mean				3.730	8.92	26.56	71.20	23.90	33.60	339.2	9.50	0.0
Std Dev				0.344	0.82	2.55	1.29	0.22	0.37	88.3	0.72	0.0
SEM				0.154	0.37	1.14	0.58	0.10	0.16	39.5	0.32	0.0
89F00348	F	3	7	3.67	9.0	26.6	72.6	24.5	33.8	300	8.5	0
89F00355	F	3	7	3.56	8.2	25.1	70.5	23.0	32.7	398	5.3	0
89F00368	F	3	7	3.67	9.3	27.7	75.4	25.3	33.6	242	11.9	0
89F00370	F	3	7	2.60	6.4	18.8	72.3	24.6	34.0	107	9.1	0
89F00383	F	3	7	3.78	9.0	26.2	69.2	23.8	34.4	369	10.3	0
Mean				3.456	8.38	24.88	72.00	24.24	33.70	283.2	9.02	0.0
Std Dev				0.485	1.18	3.52	2.35	0.87	0.63	115.7	2.45	0.0
SEM				0.217	0.53	1.58	1.05	0.39	0.28	51.8	1.10	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	7	4.38	10.6	32.3	73.8	24.2	32.8	304	9.1	0
89F00354	F	4	7	3.90	9.1	28.6	73.4	23.3	31.8	334	10.3	2
89F00374	F	4	7	4.08	10.3	33.5	82.1	25.2	30.7	178	10.1	0
89F00380	F	4	7	4.10	10.4	31.9	77.8	25.4	32.6	369	11.8	4
89F00387	F	4	7	4.11	9.7	29.1	70.7	23.6	33.3	662	10.8	0
Mean				4.114	10.02	31.08	75.56	24.34	32.24	369.4	10.42	1.2
Std Dev				0.172	0.61	2.13	4.45	0.94	1.02	178.7	0.99	1.8
SEM				0.077	0.27	0.95	1.99	0.42	0.45	79.9	0.44	0.8
89F00341	F	5	7	4.47	10.8	33.1	74.1	24.2	32.6	500	10.5	3
89F00347	F	5	7	4.08	10.2	30.0	73.6	25.0	34.0	205	9.9	0
89F00360	F	5	7	4.68	10.3	31.4	67.2	22.0	32.8	311	10.2	0
89F00375	F	5	7	4.05	9.4	28.3	69.9	23.2	33.2	376	10.3	0
89F00394	F	5	7	4.33	10.5	30.8	71.1	24.2	34.1	393	9.0	0
Mean				4.322	10.24	30.72	71.18	23.72	33.34	357.0	9.98	0.6
Std Dev				0.266	0.52	1.77	2.82	1.15	0.68	108.8	0.59	1.3
SEM				0.119	0.23	0.79	1.26	0.52	0.31	48.6	0.26	0.6
89F00343	F	6	7	4.39	10.9	33.2	75.7	24.8	32.8	456	10.0	0
89F00357	F	6	7	4.56	10.6	31.5	69.1	23.2	33.7	459	9.6	0
89F00362	F	6	7	2.46	7.3	22.9	93.2	29.7	31.9	439	11.3	5
89F00363	F	6	7	died								
89F00379	F	6	7	4.80	11.6	32.9	68.6	24.2	35.3	667	9.8	0
Mean				4.053	10.10	30.13	76.65	25.48	33.43	505.3	10.18	1.3
Std Dev				1.075	1.91	4.87	11.50	2.89	1.45	108.2	0.77	2.5
SEM				0.537	0.96	2.44	5.75	1.45	0.72	54.1	0.38	1.3

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	7	4.48	10.2	31.0	69.2	22.8	32.9	402	9.8	0
89F00353	F	7	7	4.20	9.5	29.1	69.4	22.6	32.6	372	9.2	0
89F00366	F	7	7	4.53	10.3	30.7	67.7	22.7	33.6	260	10.6	0
89F00372	F	7	7	3.77	8.9	27.1	71.8	23.6	32.8	291	10.5	0
89F00390	F	7	7	4.65	10.3	31.5	67.8	22.2	32.7	287	9.2	0
Mean				4.326	9.84	29.88	69.18	22.78	32.92	322.4	9.86	0.0
Std Dev				0.352	0.62	1.79	1.66	0.51	0.40	61.1	0.68	0.0
SEM				0.157	0.28	0.80	0.74	0.23	0.18	27.3	0.30	0.0
89F00346	F	8	7	3.98	9.4	28.3	71.1	23.6	33.2	240	10.0	0
89F00359	F	8	7	3.70	9.0	27.1	73.3	24.3	33.2	453	9.1	0
89F00365	F	8	7	3.84	8.9	27.2	70.9	23.2	32.7	316	10.3	0
89F00392	F	8	7	3.70	9.2	26.7	72.1	24.9	34.5	485	11.4	0
89F00393	F	8	7	4.33	9.6	29.4	67.9	22.2	32.7	319	9.8	1
Mean				3.910	9.22	27.74	71.06	23.64	33.27	362.6	10.12	0.2
Std Dev				0.262	0.29	1.10	2.01	1.04	0.74	102.8	0.84	0.4
SEM				0.117	0.13	0.49	0.90	0.46	0.33	46.0	0.38	0.2
89F00340	F	9	7	3.31	8.1	24.4	73.8	24.5	33.2	292	10.3	0
89F00349	F	9	7	3.74	8.8	26.8	71.7	23.5	32.8	212	8.9	0
89F00356	F	9	7	3.98	9.5	28.9	72.5	23.9	32.9	451	9.8	0
89F00367	F	9	7	3.84	8.4	25.7	67.0	21.9	32.7	496	10.3	0
89F00384	F	9	7	4.12	9.3	27.1	68.3	22.6	33.1	149	10.0	0
Mean				3.798	8.82	26.78	70.66	23.28	32.94	320.0	9.86	0.0
Std Dev				0.308	0.59	1.81	2.88	1.04	0.21	149.9	0.58	0.0
SEM				0.138	0.26	0.81	1.29	0.46	0.09	67.0	0.26	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	7	9.5	39	0	0	0	58	3	0	11.4	TNTC
89F00351	F	10	7	9.6	51	0	0	0	43	0	6	10.7	21.5
89F00364	F	10	7	11.1	38	0	0	0	53	4	5	14.3	TNTC
89F00373	F	10	7	9.7	31	0	0	0	64	2	3	7.8	TNTC
89F00381	F	10	7	9.0	49	0	0	0	41	5	5	7.8	57.2
Mean				9.78	41.6	0.0	0.0	0.0	51.8	2.8	3.8	10.40	105.74
Std Dev				0.79	8.3	0.0	0.0	0.0	9.8	1.9	2.4	2.73	61.91
SEM				0.35	3.7	0.0	0.0	0.0	4.4	0.9	1.1	1.22	27.69

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	7	7.0	36	0	0	0	60	2	2	6.8	47.2
89F00339	F	1	7	6.9	41	0	0	0	59	0	0	6.2	53.3
89F00352	F	1	7	5.8	61	0	0	0	34	5	0	9.8	1.8
89F00369	F	1	7	9.2	28	0	0	0	69	0	3	6.7	TNTC
89F00377	F	1	7	8.8	48	0	0	0	50	1	1	7.0	TNTC
Mean				7.54	42.8	0.0	0.0	0.0	54.4	1.6	1.2	7.30	80.46
Std Dev				1.42	12.5	0.0	0.0	0.0	13.2	2.1	1.3	1.43	66.53
SEM				0.64	5.6	0.0	0.0	0.0	5.9	0.9	0.6	0.64	29.75
89F00337	F	2	7	7.9	44	0	0	0	55	1	0	9.0	TNTC
89F00358	F	2	7	5.4	36	0	0	0	64	0	0	17.9	TNTC
89F00371	F	2	7	5.4	31	0	0	0	69	0	0	TNTC	TNTC
89F00389	F	2	7	7.0	33	0	0	0	63	1	3	10.3	TNTC
89F00391	F	2	7	7.0	41	0	0	0	57	2	0	10.2	TNTC
Mean				6.54	37.0	0.0	0.0	0.0	61.6	0.8	0.6	11.85	150.00
Std Dev				1.10	5.4	0.0	0.0	0.0	5.6	0.8	1.3	4.08	0.00
SEM				0.49	2.4	0.0	0.0	0.0	2.5	0.4	0.6	2.04	0.00
89F00348	F	3	7	5.7	39	0	0	0	60	0	2	8.0	TNTC
89F00355	F	3	7	5.8	35	0	0	0	63	2	0	15.8	TNTC
89F00368	F	3	7	10.2	44	0	0	0	53	1	2	14.6	TNTC
89F00370	F	3	7	3.0	31	0	0	0	66	1	2	5.8	21.6
89F00383	F	3	7	4.5	36	0	0	0	60	2	2	7.8	TNTC
Mean				5.84	37.0	0.0	0.0	0.0	60.4	1.2	1.6	10.40	124.32
Std Dev				2.69	4.8	0.0	0.0	0.0	4.8	0.8	0.9	4.49	57.42
SEM				1.20	2.2	0.0	0.0	0.0	2.2	0.4	0.4	2.01	25.68

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	7	6.1	52	0	0	0	46	1	1	6.0	34.7
89F00354	F	4	7	7.6	48	0	0	0	50	1	1	12.0	TNTC
89F00374	F	4	7	6.2	31	0	0	0	68	0	1	12.8	TNTC
89F00380	F	4	7	11.6	30	0	0	0	65	1	4	6.8	85.4
89F00387	F	4	7	7.6	38	0	0	0	52	1	9	6.8	TNTC
Mean				7.82	39.8	0.0	0.0	0.0	56.2	0.8	3.2	8.88	114.02
Std Dev				2.23	9.9	0.0	0.0	0.0	9.7	0.4	3.5	3.24	52.43
SEM				1.00	4.4	0.0	0.0	0.0	4.3	0.2	1.6	1.45	23.45
89F00341	F	5	7	12.2	49	0	0	0	47	2	2	5.8	65.4
89F00347	F	5	7	9.4	28	0	0	0	72	0	0	8.0	TNTC
89F00360	F	5	7	8.0	33	0	0	0	64	0	3	11.8	TNTC
89F00375	F	5	7	7.8	20	0	0	0	73	1	6	9.5	TNTC
89F00394	F	5	7	8.6	21	0	0	0	73	1	5	5.7	24.7
Mean				9.20	30.2	0.0	0.0	0.0	55.8	0.8	3.2	8.16	108.02
Std Dev				1.79	11.8	0.0	0.0	0.0	11.2	0.8	2.4	2.58	59.26
SEM				0.80	5.3	0.0	0.0	0.0	5.0	0.4	1.1	1.16	26.50
89F00343	F	6	7	8.4	33	0	0	0	65	0	2	7.2	TNTC
89F00357	F	6	7	8.0	35	0	0	0	63	0	2	22.1	TNTC
89F00362	F	6	7	16.9	23	0	0	0	75	2	0	9.5	TNTC
89F00363	F	6	7	died									
89F00379	F	6	7	4.8	37	0	0	0	57	0	4	6.5	21.2
Mean				9.53	32.0	0.0	0.0	0.0	65.0	0.5	2.0	11.33	117.80
Std Dev				5.17	6.2	0.0	0.0	0.0	7.5	1.0	1.6	7.30	64.40
SEM				2.59	3.1	0.0	0.0	0.0	3.7	0.5	0.8	3.65	32.20

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	7	6.9	29	0	0	0	68	2	1	7.3	TNTC
89F00353	F	7	7	6.4	40	0	0	0	58	2	0	21.0	TNTC
89F00366	F	7	7	10.0	48	0	0	0	46	2	4	9.3	TNTC
89F00372	F	7	7	7.4	26	0	0	0	70	2	2	11.2	TNTC
89F00390	F	7	7	6.1	25	0	0	0	72	1	2	10.6	TNTC
Mean				7.36	33.6	0.0	0.0	0.0	62.8	1.8	1.8	11.88	150.00
Std Dev				1.56	10.0	0.0	0.0	0.0	10.8	0.4	1.5	5.31	0.00
SEM				0.70	4.5	0.0	0.0	0.0	4.8	0.2	0.7	2.38	0.00
89F00346	F	8	7	6.3	56	0	0	0	37	5	2	9.8	TNTC
89F00359	F	8	7	5.4	25	0	0	0	74	1	0	14.2	TNTC
89F00365	F	8	7	10.2	22	0	0	0	76	2	0	12.3	TNTC
89F00392	F	8	7	7.0	60	0	0	0	37	0	1	10.0	TNTC
89F00393	F	8	7	7.7	34	0	0	0	60	3	3	9.3	TNTC
Mean				7.32	39.4	0.0	0.0	0.0	56.8	2.2	1.2	11.12	150.00
Std Dev				1.82	17.6	0.0	0.0	0.0	19.1	1.9	1.3	2.07	0.00
SEM				0.81	7.9	0.0	0.0	0.0	8.5	0.9	0.6	0.93	0.00
89F00340	F	9	7	6.6	30	0	0	0	69	1	0	11.0	TNTC
89F00349	F	9	7	6.9	46	0	0	0	51	3	0	9.8	TNTC
89F00356	F	9	7	7.9	65	0	0	0	32	2	1	18.8	TNTC
89F00367	F	9	7	8.0	36	0	0	0	60	2	2	15.5	19.1
89F00384	F	9	7	7.7	26	0	0	0	69	2	3	6.2	TNTC
Mean				7.42	40.6	0.0	0.0	0.0	56.2	2.0	1.2	12.26	123.82
Std Dev				0.63	15.6	0.0	0.0	0.0	15.4	0.7	1.3	4.94	58.54
SEM				0.28	7.0	0.0	0.0	0.0	6.9	0.3	0.6	2.21	26.18

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00350	F	10	14	4.59	11.3	34.2	74.6	24.6	33.0	378	10.7	0
89F00351	F	10	14	5.60	12.5	37.5	66.9	22.3	33.3	552	11.2	0
89F00364	F	10	14	4.72	10.7	34.3	72.6	22.7	31.2	346	9.6	0
89F00373	F	10	14	4.34	10.3	31.0	71.5	23.7	33.2	573	9.3	0
89F00381	F	10	14	5.80	12.8	39.6	68.2	22.1	32.3	97	9.8	0
Mean				5.010	11.52	35.32	70.76	23.08	32.60	389.2	10.12	0.0
Std Dev				0.648	1.10	3.32	3.17	1.05	0.87	192.1	0.80	0.0
SEM				0.290	0.49	1.48	1.42	0.47	0.39	85.9	0.36	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00338	F	1	14	4.90	11.0	33.5	68.4	22.4	32.8	258	10.2	0
89F00339	F	1	14	4.02	9.3	28.6	71.1	23.1	32.5	447	10.8	0
89F00352	F	1	14	4.47	9.6	29.6	66.3	21.5	32.4	248	8.5	0
89F00369	F	1	14	4.64	10.3	31.8	68.6	22.2	32.4	367	11.0	0
89F00377	F	1	14	4.06	9.2	27.8	68.5	22.7	33.1	185	10.6	0
Mean				4.418	9.88	30.26	68.58	22.38	32.64	301.0	10.22	0.0
Std Dev				0.378	0.76	2.35	1.70	0.60	0.30	104.6	1.01	0.0
SEM				0.169	0.34	1.05	0.76	0.27	0.14	46.8	0.45	0.0
89F00337	F	2	14	3.72	8.8	26.7	71.9	23.7	33.0	360	10.8	0
89F00358	F	2	14	3.19	7.5	22.6	70.8	23.5	33.2	332	9.7	0
89F00371	F	2	14	3.04	6.9	21.7	71.4	22.7	31.8	305	9.5	0
89F00389	F	2	14	3.13	7.6	22.5	72.0	24.3	33.8	778	8.9	0
89F00391	F	2	14	3.70	8.9	27.0	73.0	24.1	33.0	348	9.3	0
Mean				3.356	7.94	24.10	71.82	23.66	32.96	424.6	9.64	0.0
Std Dev				0.328	0.87	2.54	0.81	0.62	0.73	198.6	0.71	0.0
SEM				0.147	0.39	1.13	0.36	0.28	0.32	88.8	0.32	0.0
89F00348	F	3	14	3.92	9.3	28.5	72.7	23.7	32.6	381	10.4	0
89F00355	F	3	14	3.43	8.0	24.4	71.1	23.3	32.8	299	9.4	0
89F00368	F	3	14	3.26	8.1	24.6	75.5	24.8	32.9	145	9.2	0
89F00370	F	3	14	3.64	9.0	27.1	74.4	24.7	33.2	247	9.8	0
89F00383	F	3	14	2.90	6.8	19.9	68.7	23.4	34.2	208	9.0	0
Mean				3.430	8.24	24.90	72.48	23.98	33.14	256.0	9.56	0.0
Std Dev				0.385	0.98	3.28	2.69	0.72	0.63	89.7	0.55	0.0
SEM				0.172	0.44	1.47	1.21	0.32	0.28	40.1	0.25	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00345	F	4	14	5.10	11.6	35.8	70.2	22.7	32.4	316	11.3	0
89F00354	F	4	14	4.65	10.5	32.6	70.2	22.6	32.2	503	11.4	0
89F00374	F	4	14	4.51	10.7	33.3	73.9	23.7	32.1	296	10.0	0
89F00380	F	4	14	4.63	10.9	34.8	75.1	23.5	31.3	484	9.2	0
89F00387	F	4	14	4.34	9.7	29.5	68.0	22.4	32.9	644	11.6	0
Mean				4.646	10.68	33.20	71.48	22.98	32.18	448.6	10.70	0.0
Std Dev				0.282	0.69	2.42	2.93	0.58	0.58	144.3	1.05	0.0
SEM				0.126	0.31	1.08	1.31	0.26	0.26	64.5	0.47	0.0
89F00341	F	5	14	5.01	11.9	35.5	70.8	23.8	33.5	421	10.0	0
89F00347	F	5	14	4.15	10.4	30.8	74.1	25.1	33.8	371	9.9	0
89F00360	F	5	14	4.53	10.2	30.8	68.1	22.5	33.1	246	10.1	0
89F00375	F	5	14	5.00	11.2	34.6	69.1	22.4	32.4	223	9.8	0
89F00394	F	5	14	2.40	5.7	17.1	71.1	23.8	33.3	146	9.5	0
Mean				4.218	9.88	29.76	70.64	23.52	33.22	281.4	9.86	0.0
Std Dev				1.078	2.43	7.40	2.29	1.11	0.53	112.4	0.23	0.0
SEM				0.482	1.09	3.31	1.03	0.50	0.24	50.3	0.10	0.0
89F00343	F	6	14	4.28	10.7	31.8	74.2	25.0	33.6	389	10.7	0
89F00357	F	6	14	4.80	10.9	33.2	69.2	22.7	32.8	426	11.4	0
89F00362	F	6	14	3.98	9.9	31.2	78.3	24.9	31.7	405	10.1	0
89F00363	F	6	14	died								
89F00379	F	6	14	4.89	10.8	33.2	67.8	22.1	32.5	297	9.2	0
Mean				4.488	10.58	32.35	72.38	23.68	32.65	379.3	10.35	0.0
Std Dev				0.432	0.46	1.01	4.81	1.49	0.79	56.9	0.93	0.0
SEM				0.216	0.23	0.51	2.41	0.75	0.39	28.44	0.47	0.0

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	RET	NRBC
89F00344	F	7	14	4.30	9.5	29.3	68.2	22.1	32.4	262	10.2	0
89F00353	F	7	14	4.17	9.4	28.7	68.9	22.5	32.8	299	9.1	0
89F00366	F	7	14	3.82	8.8	25.8	67.6	23.0	34.1	310	9.1	0
89F00372	F	7	14	3.90	9.0	27.6	70.7	23.1	32.6	475	9.8	0
89F00390	F	7	14	4.30	9.4	28.9	67.3	21.9	32.5	302	10.8	0
Mean				4.098	9.22	28.06	68.54	22.52	32.88	329.6	9.80	0.0
Std Dev				0.225	0.30	1.41	1.35	0.53	0.70	83.4	0.73	0.0
SEM				0.101	0.14	0.63	0.61	0.24	0.31	37.3	0.33	0.0
89F00346	F	8	14	4.26	9.6	30.3	71.1	22.5	31.7	261	10.2	0
89F00359	F	8	14	3.82	9.0	27.3	71.5	23.6	33.0	93	9.9	0
89F00365	F	8	14	3.70	8.6	25.6	69.1	23.2	33.6	436	10.8	0
89F00392	F	8	14	3.56	8.2	24.7	69.5	23.0	33.2	289	9.7	0
89F00393	F	8	14	4.21	9.3	28.8	68.5	22.1	32.3	234	9.9	0
Mean				3.910	8.94	27.34	69.94	22.88	32.76	262.6	10.10	0.0
Std Dev				0.311	0.55	2.29	1.30	0.59	0.76	122.8	0.43	0.0
SEM				0.139	0.25	1.02	0.58	0.26	0.34	54.9	0.19	0.0
89F00340	F	9	14	3.42	8.1	25.8	75.3	23.7	31.4	305	8.8	0
89F00349	F	9	14	3.37	8.0	24.7	73.2	23.7	32.4	205	10.2	0
89F00356	F	9	14	3.66	9.1	26.9	73.5	24.9	33.8	238	9.4	0
89F00367	F	9	14	3.16	7.3	21.9	69.2	23.1	33.3	237	11.1	0
89F00384	F	9	14	4.07	9.0	27.4	67.4	22.1	32.8	292	9.5	1
Mean				3.536	8.30	25.34	71.72	23.50	32.74	255.4	9.80	0.2
Std Dev				0.347	0.75	2.19	3.29	1.02	0.92	41.8	0.88	0.4
SEM				0.155	0.34	0.98	1.47	0.46	0.41	18.7	0.39	0.2

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00350	F	10	14	4.4	23	0	0	0	74	1	2	7.3	25.6
89F00351	F	10	14	5.9	48	0	0	0	47	1	4	6.3	17.2
89F00364	F	10	14	7.4	33	0	0	0	61	0	6	7.0	33.3
89F00373	F	10	14	8.5	35	0	0	0	62	1	2	10.3	31.5
89F00381	F	10	14	4.6	27	0	0	0	68	1	4	TNTC	TNTC
Mean				6.16	33.2	0.0	0.0	0.0	62.4	0.8	3.6	7.73	51.52
Std Dev				1.78	9.5	0.0	0.0	0.0	10.1	0.4	1.7	1.77	55.41
SEM				0.79	4.3	0.0	0.0	0.0	4.5	0.2	0.7	0.88	24.78

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00338	F	1	14	7.6	49	0	0	0	45	1	5	13.6	TNTC
89F00339	F	1	14	4.9	44	0	0	0	52	1	3	7.0	27.0
89F00352	F	1	14	5.4	40	0	0	0	60	0	0	8.1	24.3
89F00369	F	1	14	7.0	36	0	0	0	58	1	5	8.2	28.0
89F00377	F	1	14	7.0	30	0	0	0	62	3	5	11.8	TNTC
Mean				6.38	39.8	0.0	0.0	0.0	55.4	1.2	3.6	9.74	75.86
Std Dev				1.16	7.3	0.0	0.0	0.0	6.9	1.1	2.2	2.82	67.69
SEM				0.52	3.3	0.0	0.0	0.0	3.1	0.5	1.0	1.26	30.27
89F00337	F	2	14	4.8	50	0	0	0	45	3	2	13.8	TNTC
89F00358	F	2	14	5.8	48	0	0	0	47	1	4	8.8	TNTC
89F00371	F	2	14	3.5	69	0	0	0	31	0	0	11.0	56.5
89F00389	F	2	14	4.7	31	0	0	0	65	2	2	6.8	85.8
89F00391	F	2	14	6.6	45	0	0	0	52	1	2	7.5	TNTC
Mean				5.08	48.6	0.0	0.0	0.0	48.0	1.4	2.0	9.58	118.46
Std Dev				1.18	13.6	0.0	0.0	0.0	12.3	1.1	1.4	2.85	44.41
SEM				0.53	6.1	0.0	0.0	0.0	5.5	0.5	0.6	1.27	19.86
89F00348	F	3	14	4.6	49	0	0	0	50	0	1	11.0	TNTC
89F00355	F	3	14	5.5	41	0	0	0	53	1	5	8.0	TNTC
89F00368	F	3	14	4.8	45	0	0	0	53	1	1	8.5	TNTC
89F00370	F	3	14	4.5	46	0	0	0	51	1	2	11.7	39.7
89F00383	F	3	14	3.8	48	0	0	0	52	0	0	7.4	TNTC
Mean				4.64	45.8	0.0	0.0	0.0	51.8	0.6	1.8	9.32	127.94
Std Dev				0.61	3.1	0.0	0.0	0.0	1.3	0.5	1.9	1.91	49.33
SEM				0.27	1.4	0.0	0.0	0.0	0.6	0.2	0.9	0.85	22.06

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00345	F	4	14	3.2	37	0	0	0	61	1	0	6.3	34.8
89F00354	F	4	14	5.5	73	0	0	0	25	1	1	10.3	22.4
89F00374	F	4	14	7.7	34	0	0	0	52	5	9	17.9	TNTC
89F00380	F	4	14	9.0	39	0	0	0	53	4	4	6.8	52.8
89F00387	F	4	14	5.8	48	0	0	0	49	1	2	8.0	54.8
Mean				6.24	46.2	0.0	0.0	0.0	48.0	2.4	3.2	9.86	62.96
Std Dev				2.22	15.9	0.0	0.0	0.0	13.6	1.9	3.6	4.75	5 6
SEM				0.99	7.1	0.0	0.0	0.0	6.1	0.9	1.6	2.13	22.57
89F00341	F	5	14	7.2	52	0	0	0	44	2	2	2.5	3.6
89F00347	F	5	14	7.3	24	0	0	0	70	1	5	12.8	TNTC
89F00360	F	5	14	7.0	22	0	0	0	73	1	4	6.8	71.2
89F00375	F	5	14	4.9	21	0	0	0	79	0	0	7.2	TNTC
89F00394	F	5	14	3.5	60	0	0	0	38	0	2	8.0	24.0
Mean				5.98	35.8	0.0	0.0	0.0	60.8	0.8	2.6	7.46	79.76
Std Dev				1.70	18.7	0.0	0.0	0.0	18.5	0.8	1.9	3.67	68.65
SEM				0.76	8.4	0.0	0.0	0.0	8.3	0.4	0.9	1.64	30.70
89F00343	F	6	14	6.0	32	0	0	0	64	3	1	11.0	TNTC
89F00357	F	6	14	5.2	34	0	0	0	62	0	4	13.0	18.3
89F00362	F	6	14	4.6	50	0	0	0	40	2	8	6.5	63.6
89F00363	F	6	14	died									
89F00379	F	6	14	7.0	47	0	0	0	53	0	0	7.8	21.4
Mean				5.70	40.8	0.0	0.0	0.0	54.8	1.3	3.3	9.58	63.33
Std Dev				1.04	9.1	0.0	0.0	0.0	10.9	1.5	3.6	2.96	61.37
SEM				0.52	4.5	0.0	0.0	0.0	5.5	0.8	1.8	1.48	30.68

Appendix H (cont.): HEMATOLOGY

Animal Number	Sex	Group	Day	WBC	HET	BAN	EOS	BAS	LYM	MON	ATL	PT	APPT
89F00344	F	7	14	5.5	55	0	0	0	41	1	3	7.3	TNTC
89F00353	F	7	14	4.7	41	0	0	0	55	1	3	8.7	TNTC
89F00366	F	7	14	6.8	22	0	0	0	77	0	1	6.8	36.6
89F00372	F	7	14	5.9	48	0	0	0	51	0	1	7.2	38.0
89F00390	F	7	14	4.4	24	0	0	0	74	1	1	7.8	TNTC
Mean				5.46	38.0	0.0	0.0	0.0	59.6	0.6	1.8	7.56	104.92
Std Dev				0.96	14.6	0.0	0.0	0.0	15.4	0.5	1.1	0.73	61.73
SEM				0.43	6.5	0.0	0.0	0.0	6.9	0.2	0.5	0.33	27.61
89F00346	F	8	14	3.1	31	0	0	0	62	2	5	33.0	TNTC
89F00359	F	8	14	3.3	27	0	0	0	72	1	0	8.6	31.6
89F00365	F	8	14	8.6	51	0	0	0	42	5	2	8.4	TNTC
89F00392	F	8	14	6.6	29	0	0	0	68	0	3	9.2	TNTC
89F00393	F	8	14	5.5	20	0	0	0	78	2	0	8.7	TNTC
Mean				5.42	31.6	0.0	0.0	0.0	64.4	2.0	2.0	13.58	126.32
Std Dev				2.31	11.6	0.0	0.0	0.0	13.8	1.9	2.1	10.86	52.95
SEM				1.03	5.2	0.0	0.0	0.0	6.2	0.8	0.9	4.86	23.68
89F00340	F	9	14	4.3	47	0	0	0	51	0	2	8.8	TNTC
89F00349	F	9	14	6.3	51	0	0	0	43	4	2	14.8	TNTC
89F00356	F	9	14	4.8	47	0	0	0	51	1	1	10.5	TNTC
89F00367	F	9	14	6.4	21	0	0	0	75	2	2	TNTC	TNTC
89F00384	F	9	14	6.6	50	0	0	0	47	2	1	8.2	35.6
Mean				5.68	43.2	0.0	0.0	0.0	53.4	1.8	1.6	10.58	127.12
Std Dev				1.05	12.5	0.0	0.0	0.0	12.5	1.5	0.5	2.98	51.16
SEM				0.47	5.6	0.0	0.0	0.0	5.6	0.7	0.2	1.49	22.88

Appendix I: PATHOLOGY REPORT

Toxicology Study No. 88010M/F

Principal Investigator: Gary M. Zaucha, DVM, CPT, VC
Co-Principal Investigator: Denzil F. Frost, DVM, CPT, VC
Pathologist: Lu Ann McKinney, DVM, MAJ, VC

Introduction

Type: Subacute rabbit intravenous toxicity
Compound: Hypertonic saline/Dextran
Animal: *Oryctolagus cuniculus* (New Zealand White)
Male and Female juveniles

Groups 1,2,3: Hypertonic saline/Dextran 70®
Groups 4,5,6: Hypertonic saline
Groups 7,8,9: Dextran 70®/normal saline
Group 10: Lactated Ringer's solution

Dose: 8,12,16 mg/kg/day

Postmortem Examination

1. Tranquilization with Ketamine and Acepromazine, IM
2. Clinical lab samples for hematology and serology
3. Euthanasia with Pentobarbital overdose, IV
4. Fixative: immersion in 10% neutral-buffered formalin
5. Histopathology of all protocol tissues plus all gross lesions

Pathologist's Comment

I. Pathology Tables 1, 2, 3, and 4 provide incidence summaries for gross necropsy observations for all animals, and microscopic observations for all dead animals, all scheduled sacrificed animals, and all unscheduled deaths, respectively. Individual animal pathology data are provided in the Pathology Annex.

II. At gross exam, lesions of the skin and vena cava were directly attributable to chronic catheterization. Erosions and swelling of the intermandibular space were co-located with the collars worn during the experiment. Hemorrhages in the lung and other acute lesions are considered to have occurred immediately antemortem. Additional findings of renal scarring are attributed to protozoal infection (*Encephalitozoon cuniculi*).

Appendix I (cont.): PATHOLOGY REPORT

III. Mammary tissue was rarely present in ventral-abdomena skin samples from the male rabbits, but was invariably present in the females. Parathyroid glands were most frequently missing.

IV. Microscopic examination confirmed the phlebitis, and revealed numerous thromboses in the lung, kidney, and adrenal gland.Fibrosis and mineralization in muscular tissues are also attributed to thrombotic showers. Recorded histologic lesions of the skin were seen at catheterization sites.

Microscopic lesions of leptomeningitis, granulomatous encephalitis, and subacute interstitial nephritis are attributed to *Encephalitozoon cuniculi* infection.

Various incidental lesions, including thyroglossal duct remnant cysts, and vacuolar change in the renal epithelial cells were seen in all groups.

Bacterial emboli were seen in various tissues of animals that were found dead. These represent postmortem growth in septicemic animals.

V. By the Kolmogorov-Smirnov 2-tailed test, no treatment group of either sex differed significantly from controls. Experimentally-induced lesions are a function of dosing technique: no lesions are attributed to compound or dose of compound.

Summary

Lesions in these rabbits are considered to be either incidental lesions, common to the species, or are associated with chronic catheterization and restraint. No morphologic evidence of toxicity with hypertonic saline/Dextran 70® was observed.

Lu Ann McKinney, DVM
MAJ,VC
Diplomate, ACVP

Appendix I (cont.): PATHOLOGY REPORT

HISTOLOGIC DIAGNOSES

Adrenal gland:

1. Inflammation, interstitial, subacute - small aggregates of perivascular lymphocytes.
2. Necrosis, coagulative, cortical - foci of 10 to 25 cells found in the fascicularis, and with minimal cellular response.
3. Arterial thrombus and necrosis - Presence of an occlusive thrombus in the adrenal artery and anatomically associated area of coagulative necrosis.
4. Bacterial emboli - focal bacterial colonies expanding vessels, with little associated parenchymal reaction.

Aorta:

1. Degeneration, media, subacute - foci of disoriented and fragmented elastin and nuclear debris with minimal fibroblast proliferation.
2. Degeneration and mineralization, media - focus of marked disorientation and disruption of the media with fragments of mineral; distortion of the wall with a subsequent bulge into the lumen.

Brain:

1. Inflammation, perivascular, subacute - lymphocytic cuffs around the leptomeningeal vessels within the neuropil with expansion of the Virchow-Robbins space.
2. Inflammation, granulomatous - focal aggregates of macrophages about small centers of necrosis.
3. Inflammation, leptomeninges, subacute - foci of lymphocytes and plasma cells within the meninges over the brain.

Cecum:

1. Inflamation, mucosal, subacute - focal and confluent aggregates of plasma cells and lymphocytes expanding cecal folds and elevating mucosa.

Diaphragm:

1. Degeneration and mineralization, chronic - fibers characterized by loss of striations, sometimes replaced by fibroblasts or fibrous tissue, containing variable amounts of mineral fragments.
2. Inflammation, subacute - small numbers of lymphocytes about vessels and between myofibers.

Appendix I (cont.): PATHOLOGY REPORT

Eye and Optic nerve
1. Inflammation, subacute, choroid - aggregates of plasma cells and lymphocytes about small vessels of retinal choroid.

Gall bladder:
1. Edema, mucosa, acute - separation of mucosal connective tissues by diffuse faintly staining eosinophilic material.

Gut Lymph Tissue:
1. Necrosis and Lymphorrhexis - acute cell death within germinal centers deep to the domes.

Heart:
1. Thrombus, mural - an organized, fibrous thrombus adhered to the endocardium.
2. Inflammation, interstitial, subacute - small aggregates of lymphocytes about arterioles and between myocardial fibers.
3. Inflammation, interstitial, acute, with bacteria - interfiber foci of neutrophils about bacterial colonies.

Kidney:
1. Inflammation, interstitial, subacute - aggregates of lymphocytes and plasma cells about intra-renal vessels.
2. Vacuolation of tubular epithelium - clusters of tubular cross-sections, (of a single nephron) with epithelial cells expanded by multiple, small, clear intra-cytoplasmic vacuoles that fail to displace the nucleus.
3. Inflammation, acute, renal pelvis - neutrophilic infiltrates that fill the collecting ducts and are in the interstitium of the papilla.
4. Necrosis, tubular, acute (or coagulative) - coagulative necrosis of the tubular epithelium of individual nephron units.
5. Dilated tubules/dilation, tubular lumena - clusters of tubular lumens are dilated and ectatic, lined by flattenend, attenuated epithelium.
6. Inflammation, chronic-active - foci of neutrophils, macrophages and some fibroblasts at the level of the arcuate vessels.
7. Vasculitis, perirenal fat, subacute - perivascular lymphocytes and plasma cells around the small arterioles in the pelvic fat.
8. Bacterial emboli in the uriniferous space - colonies of dark-staining coccoid organisms fill the tubular lumens or

Appendix I (cont.): PATHOLOGY REPORT

Bowman's space. The colonies conform to the shape of the lumena.

9. Inflammation, renal pelvis, subacute - lymphoid aggregates in the renal papilla.

10. Thrombosis and infarction, parenchyma - thrombi lodged in arcuate arteries with anatomically related areas of the kidney undergoing coagulative necrosis.

Lacrimal Gland:

1. Inflammation, intersitial, subacute - aggregates of lymphocytes in the adventitia and inter-lobular connective tissue.

2. Necrosis, coagulative, parenchyma - discrete areas of necrosis, involving individual lobules, with minimal inflammatory response.

3. Inflammation, interstitial and adventitial, chronic - fibrosis and scarring in the inter-lobular adventitia.

4. Hemorrhage, acute - extravasated blood in the interlobular septae and the adventitia of the gland.

Liver:

1. Subacute, periportal inflammation - aggregates of lymphocytes and plasma cells and some macrophages in the portal triads and in the adventitia of bile ductules.

2. Necrosis, coagulative, parenchymal - random foci of coagulative necrosis with some minimal neutrophil infiltrates.

3. Bacterial emboli - small colonies of dark-staining coccoid bacteria within sinusoids; minimal cellular response.

4. Congestion, vascular, acute - marked distention of the central veins and sinusoids by blood.

5. Inflammation, parenchyma, pyogranulomatous - random foci of macrophages surrounding small numbers of neutrophils and necrotic/lytic hepatocytes.

6. Hemorrhage, acute - disruption of the hepatic cords and the limiting plate by free blood.

7. Reduplication/hyperplasia, bile ductules - the numbers of cross-sections of bile ductules is markedly increased over normal and the cross-sections are seen distant from the larger portal triads.

Lungs:

1. Inflammation, interstitial, subacute - populations of macrophages and lymphocytes and some heterophils about lobular vessels and in clusters at the junctions of alveoli.

Appendix I (cont.): PATHOLOGY REPORT

2. Inflammation, perivascular, acute - infiltrates of heterophils about arterioles.
3. Inflammation, interstitial, acute - infiltrates of heterophils about arterioles and at the junctions of alveolar septae.
4. Histiocytosis, alveolar - individual alveoli filled with large, pale-staining foamy macrophages.
5. Congestion, vascular, acute - marked distention of the alveolar septae by blood.
6. Vasculitis, necrotizing, chronic, with thrombus - small arteries distended by fibrous thrombi, sometimes recanalized, with thickened walls infiltrated by neutrophils and macrophages with variable mineralization.
7. Hemorrhage, intra-alveolar, acute - foci of 4-5 blood filled alveoli.
8. Infarct, vascular, chronic - lobular pattern of coagulative necrosis with or without attendant hemorrhage, associated with a vessel occluded by a thrombus.
9. Bacterial emboli - masses of large coccoid bacteria in vessels.

Mammary Gland:
1. Necrosis, acute - necrosis and neutrophil infiltration of foci of 1-3 gland alveoli.

Miscellaneous:
1. Phlebitis, chronic-active, vena cava - inflammation of the wall of the vein, ranging from focal thickening with rare macrophages to total obliteration by edema, hemorrhage, necrosis and neutrophils.
2. Thrombosis, chronic, vena cava - presence of a large thrombus of maturity ranging from fibrinous to re-canalized, mineralized fibrous tissue.
3. Inflammation, chronic-active, lip - chelitis characterized by erosion of the epithelium and granulation tissue of the underlying dermis.
4. Inflammation, subacute, adipose tissue - fatty tissue infiltrated by lymphocytes and plasma cells; modest degeneration of the fat.

Ovaries:
1. Para-ovarian cyst - thin cyst wall adjacent to the ovary, extending from the mesovarium.

Salivary Gland:
1. Inflammation, interstitial, chronic - fibrosis of the interlobular septae.

Appendix I (cont.): PATHOLOGY REPORT

2. Inflammation, interstitial, sub-acute - lymphocytic infiltrates of the septae and adventitia.
3. Necrosis and chronic-active cellulitis - necrosis of the glandular elements, with neutrophilic infiltrates and fibroblastic attempts at repair in the surrounding adventitia.
4. Hemorrhage and edema, acute - free blood pooling between lobules, and marked edema of the interstitium and adventitia of the gland.

Sciatic Nerve:
1. Inflammation, perineural fat, acute - degeneration and necrosis of the fat about the sciatic nerve.

Skin:
1. Edema, subcutis - subcuticular fibers are spread apart by pale-staining edema.
2. Inflammation, chronic-active - scattered populations of neutrophils about degenerating cells, with fibroplasia.
3. Necrosis and acute inflammation, epidermis - necrosis and erosion of the superficial epidermis, with or without a crust, and predominately neutrophils at the dermal-epidermal junction.
4. Vasculitis, subacute, dermis - lymphocytic cuffing of deeper dermal vessels.
5. Hemorrhage, subcutis - free blood separating loose areolar connective tissue of the hypodermis.
6. Granulation with cyst formation, subcutis - macrophages and fibroblasts surrounding a large empty space in the hypodermis.
7. Inflammation, chronic-active, with necrosis, subcutis - focus of liquifactive necrosis surrounded by neutrophils and fibroplasia.
8. Granulation and suture material - neovascularization, granulomatous inflammation, and multinucleated giant cells about birefringent material (suture material) in the subcutis.

Skeletal muscle:
1. Inflammation, myofiber, subacute - myofiber replaced by a lymphocytic infiltrate.
2. Inflammation, interstitium/adventitia, chronic - fibroplasia and scarring between muscle bundles.
3. Inflammation, and scarring - as no. 2, but with distortion of the myofibers by contraction.

Appendix I (cont.): PATHOLOGY REPORT

Spinal cord:
1. Inflammation, subacute - lymphocytic cuffs of the leptomeningeal vessels.

Stomach:
1. Ulceration and inflammation, mucosa, acute - necrosis and loss of cells in the superficial neck cells, extending to the upper one-third of the gastric pits, with infiltrates of neutrophils and rare macrophages.

Thyroid Gland:
1. Cyst, thyro-glossal duct remnant - uniloculated cystic space, filled with protein fluid and lined by variably ciliated cells; routinely found at the hilus.
2. Cyst, follicular - uni- to multiloculated cysitc space filled with thyroglobulin and lined by attenuated follicular cells.

Trachea:
1. Congestion, vascular, acute - dilated vessels in the submucosal and mucosal arterioles and venules.

Urinary bladder:
1. Inflammation, interstitial/submucosa, subacute - lymphocytic infiltrates in the wall and sub-serosa.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary Report for Gross Necropsy Observations
Study Number: 88010M
Report includes all dead animals
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

	-- Males --									
	Ctls	1	2	3	4	5	6	7	8	9
	5	5	5	5	5	5	5	5	5	5
ADRENAL GLANDS										
ENLARGED, UNILATERALLY	0	1	0	0	0	1	0	0	0	0
GROWTH(S)/MASS(ES)	0	0	0	1	0	0	0	0	0	0
Total:	0	1	0	1	0	1	0	0	0	0
EYES & OPTIC N.										
HEMORRHAGE, RETROBULBAR	0	0	0	0	0	0	0	1	0	0
Total:	0	0	0	0	0	0	0	1	0	0
GALL BLADDER										
ABSENT	0	0	0	0	1	0	0	0	0	0
Total:	0	0	0	0	1	0	0	0	0	0
GUT LYMPH TISSUE										
ATROPHY	0	0	0	0	1	0	0	0	0	0
Total:	0	0	0	0	1	0	0	0	0	0
HEART										
INFARCTION(S)/SCAR(S)	0	1	0	0	0	0	0	0	0	0
THROMBUS	0	0	0	0	0	0	0	0	0	1
Total:	0	1	0	0	0	0	0	0	0	1
KIDNEY										
INFARCT	0	2	0	0	1	0	1	0	0	0
HEMORRHAGE(S)	0	0	0	1	0	0	0	0	0	0
FOCI	0	0	0	1	0	0	0	0	0	0
Total:	0	2	0	2	1	0	1	0	0	0
LIVER										
DISSEMINATED FOCI	0	0	0	0	0	0	1	0	0	0
LIPIDOSIS	0	0	1	1	1	0	0	1	0	0
FOCUS	0	0	0	1	1	0	0	0	0	0
Total:	0	0	1	2	2	0	1	1	0	0
LIP										

PATHOLOGY TABLE 1

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary Report for Gross Necropsy Observations
Study Number: 88010M
Report includes all dead animals
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 2

SUB-ACUTE/

	-- Males --									
	Ctls	1	2	3	4	5	6	7	8	9
	5	5	5	5	5	5	5	5	5	5
LIP										
ULCER	0	0	0	1	0	0	0	0	0	0
Total:	0	0	0	1	0	0	0	0	0	0
LUNGS										
HEMORRHAGE(S)	0	0	0	0	2	0	0	1	0	1
HEMORRHAGE(S)	0	0	0	1	0	0	0	0	0	0
PETECHIAE	0	0	1	1	0	0	0	0	0	1
DISSEMINATED FOCI	0	1	0	0	0	0	0	0	0	0
FOCUS	0	0	0	1	0	0	0	0	0	0
HEMORRHAGE(S)	0	0	0	0	0	0	1	0	0	0
CONGESTION	0	0	0	0	0	0	0	0	0	1
Total:	0	1	1	3	2	0	1	1	0	3
SKIN										
FISSURE(S)	0	0	0	0	1	0	0	0	0	0
EDEMA	0	0	0	1	0	1	0	0	0	2
ABSCESS(ES)	0	0	0	0	0	1	0	0	0	0
ULCER	0	0	0	0	0	0	0	0	0	1
FOCAL THICKENING	0	0	0	0	0	0	0	0	0	1
INFLAMMATION	0	0	0	0	1	1	1	0	0	0
Total:	0	0	0	1	2	3	1	0	0	4
SKELETAL MUSCLE										
NECROSIS	0	0	0	1	0	0	0	0	0	0
HEMORRHAGE(S)	0	0	0	1	0	0	0	0	0	0
Total:	0	0	0	2	0	0	0	0	0	0
SPLEEN										
ENLARGED(SPLENOMEGALY)	0	1	0	0	0	0	0	0	0	0
Total:	0	1	0	0	0	0	0	0	0	0
STOMACH										
ULCER	0	0	0	0	0	0	0	1	0	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary Report for Gross Necropsy Observations
Study Number: 8801GK
Report includes all dead animals
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 3

SUB-ACUTE/

	.. Males ..									
	Ctls	1	2	3	4	5	6	7	8	9
	5	5	5	5	5	5	5	5	5	5
STOMACH										
TRICHOBEZOAR	0	0	0	0	1	0	0	0	0	0
Total:	0	0	0	0	1	0	0	1	0	0
URINARY BLADDER										
EDEMA	0	1	1	0	0	0	0	0	0	0
ABNORMAL URINE	0	0	0	0	0	0	0	1	0	0
Total:	0	1	1	0	0	0	0	1	0	0
VERTEBRAL BODY										
FRACTURE	0	0	0	1	0	0	0	0	0	0
Total:	0	0	0	1	0	0	0	0	0	0
VENA CAVA										
THROMBUS	0	0	1	0	1	0	1	0	0	1
Total:	0	0	1	0	1	0	1	0	0	1
WHOLE BODY										
NO LESIONS RECOGNIZED	5	3	3	0	1	3	2	2	3	1
Total:	5	3	3	0	1	3	2	2	3	1

PATHOLOGY TABLE 1 (cont.)

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary Report for Gross Necropsy Observations
Study Number: 88010f
Report includes all dead animals
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

	-- Females --									
	Ctls	1	2	3	4	5	6	7	8	9
	5	5	5	5	5	5	5	5	5	5
CECUM										
LUMINAL CONTENTS BLOODY	0	0	1	0	0	0	0	0	0	0
Total:	0	0	1	0	0	0	0	0	0	0
FALLOPIAN TUBE										
CYST	0	0	0	0	0	0	1	0	1	0
Total:	0	0	0	0	0	0	1	0	1	0
GUT LYMPH TISSUE										
CLOT	0	0	1	0	0	0	0	0	0	0
Total:	0	0	1	0	0	0	0	0	0	0
KIDNEY										
HEMORRHAGE(S)	0	0	1	0	0	0	0	0	0	1
FRIBROUS SCAR(S)	0	0	0	0	0	0	0	0	1	0
DISCOLORATION	0	0	0	0	1	0	0	0	0	0
Total:	0	0	1	0	1	0	0	0	1	1
LIVER										
CYST(S)	0	1	0	0	0	0	0	0	0	0
LIPIDOSIS	0	0	1	0	0	0	0	0	0	0
Total:	0	1	1	0	0	0	0	0	0	0
LIP										
ULCER	0	1	0	0	0	0	0	0	0	0
INFLAMMATION	0	0	0	0	0	0	0	1	0	0
Total:	0	1	0	0	0	0	0	1	0	0
LUNGS										
HEMORRHAGE(S)	1	3	2	2	0	3	0	1	0	1
PNEUMONIA	0	0	0	0	0	0	0	1	0	0
CONGESTION	0	0	0	1	0	0	0	0	2	0
Total:	1	3	2	3	0	3	0	2	2	1
OVARIES										

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary Report for Gross Necropsy Observations
Study Number: 88010f
Report includes all dead animals
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 2

SUB-ACUTE/

	-- Females --									
	Ctls	1	2	3	4	5	6	7	8	9
	5	5	5	5	5	5	5	5	5	5
OVARIES										
PARA-OVARIAN CYST(S)	0	2	0	0	0	0	0	0	0	0
Total:	0	2	0	0	0	0	0	0	0	0
SALIVARY GLAND										
HEMORRHAGE(S)	0	0	0	0	1	0	0	0	1	1
Total:	0	0	0	0	1	0	0	0	1	1
SKIN										
EDEMA	0	0	2	1	0	0	0	1	0	0
INFLAMMATION	0	1	0	0	0	0	0	0	0	0
EROSION	0	0	0	2	0	1	0	0	0	0
ULCER	0	1	0	0	1	0	0	1	0	0
HEMATOMA	0	0	0	1	0	0	0	0	0	0
Total:	0	2	2	4	1	1	0	2	0	0
STOMACH										
TRICHOBEZOAR	0	0	0	0	0	0	1	0	0	0
Total:	0	0	0	0	0	0	1	0	0	0
TRACHEA										
CYST	0	1	0	0	0	0	0	0	0	0
Total:	0	1	0	0	0	0	0	0	0	0
URINARY BLADDER										
ABNORMAL URINE	0	0	1	0	0	0	0	0	0	0
Total:	0	0	1	0	0	0	0	0	0	0
VERTEBRAL BODY										
FRACTURE	0	0	0	0	0	1	0	0	0	0
Total:	0	0	0	0	0	1	0	0	0	0
VENA CAVA										
THROMBUS	3	3	5	3	4	2	1	4	3	4

PATHOLOGY TABLE 1 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary Report for Gross Necropsy Observations
Study Number: 88010f
Report includes all dead animals
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 3

SUB-ACUTE/

	-- Females --									
	Ctls	1	2	3	4	5	6	7	8	9
	5	5	5	5	5	5	5	5	5	5
VENA CAVA										
HEMORRHAGE	1	0	0	0	0	0	0	0	0	0
Total:	4	3	5	3	4	2	1	4	3	4
WHOLE BODY										
NO LESIONS RECOGNIZED	1	0	0	1	1	2	1	0	0	1
Total:	1	0	0	1	1	2	1	0	0	1

PATHOLOGY TABLE 1 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals Affected -- Males --								
		Ctls	1	2	3	4	5	6	7	8	9
		5	5	5	5	5	5	5	5	5	5
ADRENAL GLANDS	Number examined:	5	5	5	5	5	5	5	4	5	5
NECROSIS, COAGULATIVE, CORTICAL		0	1	0	0	0	0	2	0	0	0
ARTERIAL THROMBUS AND NECROSIS		0	0	0	1	0	0	0	0	0	0
BACTERIAL EMBOLI		0	0	0	1	0	0	0	0	0	0
AORTA	Number examined:	5	5	5	5	5	5	5	4	5	5
DEGENERATION, MEDIA, SUBACUTE		0	0	0	0	0	1	0	0	0	0
DEGENERATION AND MINERALIZATION, MEDIA		0	0	0	1	0	0	0	0	0	0
BONE MARROW	Number examined:	5	5	5	5	5	5	5	5	5	5
BRAIN	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, PERIVASCULAR, SUBACUTE		0	0	0	0	1	0	0	0	0	0
INFLAMMATION, GRANULOMATOUS		0	0	0	0	0	0	0	0	0	0
CECUM	Number examined:	5	5	5	5	4	5	5	4	5	5
COLON	Number examined:	5	5	5	5	5	5	5	4	5	5
DIAPHRAGM	Number examined:	5	5	4	5	5	5	4	4	5	5
DEGENERATION AND MINERALIZATION, CHRONIC		0	0	0	1	0	0	0	0	1	0
DUODENUM	Number examined:	5	4	4	5	5	5	5	4	5	5
EPIDIDYMUS	Number examined:	5	4	5	5	5	5	5	4	5	5
ESOPHAGUS	Number examined:	5	4	5	5	5	5	5	5	5	5

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 2

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses		-- Animals Affected -- Males --									
Animal sex:											
Dosage group:		Ctls	1	2	3	4	5	6	7	8	9
No. in group:		5	5	5	5	5	5	5	5	5	5
EYES & OPTIC N.	Number examined:	5	5	5	5	5	5	5	4	5	5
GALL BLADDER	Number examined:	5	5	4	4	4	5	5	4	5	5
GUT LYMPH TISSUE	Number examined:	5	5	5	5	5	5	5	4	5	5
NECROSIS AND LYMPHORRHEXIS, LYMPHOID TISSUE		0	0	0	0	1	0	0	0	0	0
HEART	Number examined:	5	5	5	5	5	5	5	5	5	5
THROMBUS, MURAL		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, SUB-ACUTE		0	0	0	0	1	0	0	0	0	0
ILEUM	Number examined:	5	5	5	5	5	5	5	4	5	5
JEJUNUM	Number examined:	5	5	5	5	5	5	5	4	5	5
KIDNEY	Number examined:	5	4	4	3	5	5	5	4	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	1	1	1	1	0	1	0	0	0
VACUOLATION, TUBULAR EPITHELIUM		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	1	0	0	0	0	0	0	0	0
NECROSIS, TUBULAR, COAGUALTIVE		0	0	0	0	1	0	0	0	1	0
VASCULITIS, PERIRENAL FAT, SUBACUTE		0	0	0	0	0	0	0	0	0	0
BACTERIAL EMBOLI IN URINIFEROUS SPACE		0	0	0	1	0	0	0	0	1	0
INFLAMMATION, RENAL PELVIS, SUBACUTE		0	0	0	0	0	1	0	0	0	0
THROMBOSIS AND INFARCTION, PARENCHYMA		0	0	0	0	0	0	0	0	1	0
DILATION, TUBULAR LUMENA		0	0	0	0	0	0	0	0	0	1
LAC. GLD.	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	1	0	0	0	0	1
NECROSIS, COAGULATIVE, PARENCHYMA		0	0	0	0	1	0	0	0	0	0
INFLAMMATION, INTERSTITIAL AND ADVENTITIAL, CHRONIC		0	0	0	0	0	1	0	0	0	0

-1

Zaucha et al.--'85

PATHOLOGY TABLE 2 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 3

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Males --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	5	5	5	5	5	5	5
LIVER ..... Number examined:		5	5	4	4	5	5	5	4	5	5
INFLAMMATION, PERIPORTAL, SUBACUTE		1	0	0	0	2	1	0	0	1	1
NECROSIS, COAGUALTIVE, PARENCHYMAL		0	0	0	2	2	0	1	0	1	0
BACTERIAL EMBOLI		0	0	0	0	0	0	0	0	2	0
LYMPH NODES ..... Number examined:		5	5	5	5	5	5	5	4	5	5
LUNGS ..... Number examined:		5	5	4	5	5	5	5	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		5	4	4	2	3	4	4	4	2	5
HISTIOCYTOSIS, ALVEOLAR		0	0	0	1	0	0	0	0	0	0
VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS		0	1	1	1	0	1	2	1	0	0
HEMORRHAGE, INTRA-ALVEOLAR, ACUTE		0	0	1	2	0	0	0	0	2	0
INFARCT, VASCULAR, CHRONIC		0	0	0	1	0	0	0	0	1	0
BACTERIAL EMBOLI, INTRAVASCULAR		0	0	0	0	0	0	0	0	1	0
MAMMARY GLAND ..... Number examined:		0	1	1	0	0	1	0	1	1	1
MESEN.LYMPH NODE ..... Number examined:		3	4	3	4	4	4	3	3	5	4
MISCELLANEOUS ..... Number examined:		5	4	5	5	5	5	5	4	5	5
PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA		0	0	0	0	0	0	0	0	0	1
THROMBOSIS, CHRONIC, VENA CAVA		0	2	0	0	0	0	0	0	0	1
INFLAMMATION, SUBACUTE, ADIPOSE TISSUE		0	0	0	0	0	1	0	0	0	0
PANCREAS ..... Number examined:		5	4	5	5	4	5	5	4	5	5
PITUITARY GLAND ..... Number examined:		4	5	4	5	4	4	3	4	5	5

PATHOLOGY TABLE 2 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Males --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	5	5	5	5	5	5	5
PROSTATE	Number examined:	5	4	5	5	5	5	5	4	5	5
PARATHYROID	Number examined:	5	4	2	4	5	4	5	4	4	4
SPINAL CORD	Number examined:	5	5	5	4	5	5	5	5	5	5
SALIVARY GLAND	Number examined:	5	5	5	5	5	4	5	5	5	5
INFLAMMATION, INTERSTITIAL, CHRONIC		0	1	1	0	0	0	0	0	0	0
SKIN	Number examined:	5	4	4	5	5	5	5	4	5	5
GRANULATION AND SUTURE MATERIAL		0	0	0	1	0	0	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	1	0	0	0	0	0
NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS		0	0	0	1	0	0	0	0	1	2
INFLAMMATION, CHRONIC ACTIVE, AND NECROSIS, SUBCUTIS		0	0	0	0	0	0	1	0	0	0
GRANULATION TISSUE, WITH CYST FORMATION, SUBCUTIS		0	0	0	0	0	0	0	0	1	0
EDEMA, SUBCUTIS, ACUTE		0	0	0	0	0	0	0	0	0	1
SKELETAL MUSCLE	Number examined:	5	5	5	5	5	5	5	4	5	5
INFLAMMATION, AND SCARRING, CHRONIC		0	0	0	2	0	0	1	0	0	0
SCIATIC NERVE	Number examined:	5	5	5	5	5	5	5	5	5	5
SPLEEN	Number examined:	5	5	4	5	5	5	5	4	5	5
STOMACH	Number examined:	5	5	5	5	5	5	5	4	5	5
ULCERATION AND INFLAMMATION, MUCOSA, ACUTE		0	0	0	0	0	0	0	1	0	0
TESTIS	Number examined:	5	4	5	5	5	5	5	4	5	5

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals -- Males -- Affected --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	5	5	5	5	5	5	5
THYROID GLAND	Number examined:	5	5	5	5	5	5	5	5	5	5
CYST, THYRO-GLOSSAL DUCT REMNANT		1	0	0	1	0	0	0	1	1	0
THYMUS	Number examined:	5	5	5	4	4	5	4	3	5	5
TRACHEA	Number examined:	5	5	4	5	5	5	5	5	5	5
URINARY BLADDER	Number examined:	5	4	5	5	5	5	5	4	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	1	0	0	0	0	0	0	0
URETER	Number examined:	5	5	5	5	5	5	5	3	5	5

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- -- Females --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	5	5	5	5	5	5	5
ADRENAL GLANDS	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	1	0	0	0	0	0	0	0	0
AORTA	Number examined:	5	5	5	5	5	5	5	5	5	5
BRAIN	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, PERIVASCULAR, SUBACUTE		2	1	3	1	1	2	0	1	1	3
INFLAMMATION, GRANULOMATOUS		2	0	3	1	1	2	0	1	1	2
INFLAMMATION, LEPTOMENINGES, SUBACUTE		0	0	0	0	0	0	0	0	1	0
CECUM	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, MUCOSAL, SUBACUTE		0	0	0	0	1	0	0	0	0	0
COLON	Number examined:	5	5	5	5	5	5	5	5	5	5
DIAPHRAGM	Number examined:	5	4	4	5	3	5	3	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	1	1	0	0	0	0	1	1
DUODENUM	Number examined:	5	5	5	5	5	5	5	5	5	5
ESOPHAGUS	Number examined:	5	5	5	5	5	5	5	5	5	5
EYES & OPTIC N.	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, SUBACUTE, CHOROID		0	0	1	0	0	0	0	0	0	0
GALL BLADDER	Number examined:	5	5	5	5	5	5	5	5	5	5
EDEMA, MUCOSA, ACUTE		0	0	0	0	0	0	0	1	0	0

Zaucha et al.--789

PATHOLOGY TABLE 2 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: [illegible]
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 2

SUB-ACUTE/

Notes: Animals = all dose animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	Ctls	1	2	3	4	5	6	7	8	9
		5	5	5	5	5	5	5	5	5	5
	-- Animals Affected -- Females --										
GUT-LYMPHOID TIS	Number examined:	5	5	5	5	5	5	5	4	5	5
HEART	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		1	0	0	2	0	0	0	2	1	1
INFLAMMATION, INTERSTITIAL, ACUTE, WITH BACTERIA		1	0	1	0	0	0	0	0	0	0
ILEUM	Number examined:	5	5	5	5	5	5	5	5	5	5
JEJUNUM	Number examined:	5	5	5	5	5	5	5	5	5	5
KIDNEY	Number examined:	5	5	5	5	5	5	5	5	5	5
INTERSTITIAL INFLAMMATION, SUBACUTE		1	1	3	1	1	1	0	1	1	2
VACUOLATED TUBULAR EPITHELIUM		0	0	1	2	0	1	0	1	3	2
INFLAMMATION, ACUTE, RENAL PELVIS		0	0	0	0	1	0	0	0	0	0
NECROSIS, TUBULAR, ACUTE		0	0	0	0	0	0	0	0	1	1
DILATED TUBULES		0	0	0	0	0	0	0	0	1	1
LAC. GLD.	Number examined:	5	5	5	5	5	5	5	5	5	5
HEMORRHAGE, ACUTE		0	0	0	0	0	0	0	0	1	0
LIVER	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, SUBACUTE, PERIPORTAL		3	3	4	2	3	3	2	3	4	3
CONGESTION, VASCULAR, ACUTE		0	0	0	0	1	0	0	1	0	0
INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS		1	0	0	0	0	0	2	1	0	0
HEMORRHAGE, ACUTE		0	0	0	0	0	0	0	1	0	0
REDUPLICATION/HYPERPLASIA, BILE DUCTULES		0	0	0	0	0	0	0	0	0	1
LUNGS	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		3	2	2	2	2	5	3	4	3	3
INFLAMMATION, PERIVASCULAR, ACUTE		0	1	0	0	0	0	0	0	1	0
ALVEOLAR HISTIOCYTOSIS		0	0	0	1	0	0	0	0	0	0
VASCULAR CONGESTION, ACUTE		0	0	0	0	1	1	0	0	1	0

PATHOLOGY TABLE 2 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 3

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Females --								
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	5	5	5	5	5	5	5
LUNGS ..... Number examined:		5	5	5	5	5	5	5	5	5	5
VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS		2	0	0	0	1	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, ACUTE		0	0	0	0	0	1	1	0	0	0
HEMORRHAGE, INTRA-ALVEOLAR, ACUTE		0	0	0	0	0	0	0	0	0	1
MAMMARY GLANDS ..... Number examined:		5	5	5	5	5	4	4	5	5	4
NECROSIS, ACUTE		0	0	0	0	0	0	0	0	1	0
MESEN LYMPH NODE ..... Number examined:		5	5	5	5	5	5	5	5	5	5
MISCELLANEOUS ..... Number examined:		5	5	5	5	5	5	5	5	5	5
PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA		2	3	2	3	4	1	3	4	4	3
THROMBOSIS, CHRONIC, VENA CAVA		2	3	2	4	4	1	3	5	5	1
INFLAMMATION, CHRONIC-ACTIVE, LIP		0	0	0	0	0	0	0	1	0	0
OVARIES ..... Number examined:		5	5	5	5	5	5	5	5	5	5
PARA-OVARIAN CYST		0	2	0	0	0	0	0	0	0	0
PANCREAS ..... Number examined:		5	5	5	5	5	5	5	5	4	5
PITUITARY GLAND ..... Number examined:		5	5	5	5	5	5	5	5	5	5
PARATHYROID ..... Number examined:		5	5	5	5	5	5	5	5	5	5
SPINAL CORD ..... Number examined:		5	5	5	5	5	5	5	5	5	5
INFLAMMATION, SUBACUTE		0	1	0	0	0	0	0	0	0	1
SALIVARY GLAND ..... Number examined:		5	5	5	5	5	5	5	5	5	5
NECROSIS AND CHRONIC-ACTIV LLULITIS		0	0	1	0	0	0	0	0	1	0
HEMORRHAGE AND EDEMA, ACUTE		0	0	1	1	0	0	0	0	0	1
INFLAMMATION, INTERSTITIUM, CHRONIC		0	0	0	0	1	1	0	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	0	0	0	1	0	0

PATHOLOGY TABLE 2 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Females --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	5	5	5	5	5	5	5
SKIN	Number examined:	5	5	5	5	5	4	4	5	5	5
EDEMA, SUBCUTIS		0	2	1	1	0	1	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	1	0	1	0	0	0	3	0	0
NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS		0	1	0	1	1	1	0	1	0	0
VASCULITIS, SUBACUTE, DERMIS		0	0	1	0	0	0	0	0	0	0
HEMORRHAGE, SUBCUTIS		0	0	0	1	0	0	0	0	0	0
SKELETAL MUSCLE	Number examined:	5	5	5	5	5	5	5	5	5	4
INFLAMMATION, MYOFIBER, SUBACUTE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITITUM/ADVENTITIA, CHRONIC		0	0	0	0	0	1	0	0	0	0
SCIATIC NERVE	Number examined:	5	5	5	5	5	5	5	5	5	4
INFLAMMATION, PERINEURAL FAT, ACUTE		0	0	0	0	0	0	0	1	0	1
SPLEEN	Number examined:	5	5	5	5	5	5	5	5	5	5
STOMACH	Number examined:	5	5	5	5	5	5	5	5	5	5
THYROID GLAND	Number examined:	5	5	5	5	5	5	5	5	5	5
CYST, THYRO-GLOSSAL DUCT REMNANT		3	3	4	1	3	2	0	4	2	2
CYST, FOLLICULAR		1	0	0	0	0	0	0	0	0	0
THYMUS	Number examined:	5	5	5	5	5	5	5	5	5	5
TRACHEA	Number examined:	5	5	5	5	5	5	5	5	5	5
CONGESTION, VASCULAR, ACUTE		0	0	0	0	0	0	0	0	1	0
URINARY BLADDER	Number examined:	5	5	5	5	5	5	5	5	5	5
INFLAMMATION, INTERSTITIAL-SUBMUCOSAL, SUBACUTE		0	0	0	0	1	0	0	0	0	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 5

SUB-ACUTE/

Notes: Animals = all dead animals
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals Affected -- Females --								
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	5	5	5	5	5	5	5	5	5	5
URETER	Number examined:		5	5	5	5	5	5	5	5	5	5
UTERUS	Number examined:		5	5	5	5	5	5	5	5	5	5

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses		-- Animals Affected -- Males --									
Animal sex:											
Dosage group:		Ctls	1	2	3	4	5	6	7	8	9
No. in group:		5	5	5	4	5	5	5	5	3	5
ADRENAL GLANDS	Number examined:	5	5	5	4	5	5	5	4	3	5
NECROSIS, COAGULATIVE, CORTICAL		0	1	0	0	0	0	2	0	0	0
ARTERIAL THROMBUS AND NECROSIS		0	0	0	1	0	0	0	0	0	0
BACTERIAL EMBOLI		0	0	0	0	0	0	0	0	0	0
AORTA	Number examined:	5	5	5	4	5	5	5	4	3	5
DEGENERATION, MEDIA, SUBACUTE		0	0	0	0	0	1	0	0	0	0
DEGENERATION AND MINERALIZATION, MEDIA		0	0	0	0	0	0	0	0	0	0
BONE MARROW	Number examined:	5	5	5	4	5	5	5	5	3	5
BRAIN	Number examined:	5	5	5	4	5	5	5	5	3	5
INFLAMMATION, PERIVASCULAR, SUBACUTE		0	0	0	0	1	0	0	0	0	0
INFLAMMATION, GRANULOMATOUS		0	0	0	0	0	0	0	0	0	0
CECUM	Number examined:	5	5	5	4	4	5	5	4	3	5
COLON	Number examined:	5	5	5	4	5	5	5	4	3	5
DIAPHRAGM	Number examined:	5	5	4	4	5	5	4	4	3	5
DEGENERATION AND MINERALIZATION, CHRONIC		0	0	0	1	0	0	0	0	0	0
DUODENUM	Number examined:	5	4	4	4	5	5	5	4	3	5
EPIDIDYMUS	Number examined:	5	4	5	4	5	5	5	4	3	5
ESOPHAGUS	Number examined:	5	4	5	4	5	5	5	5	3	5

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 2

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Males --								
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	5	5	5	4	5	5	5	5	3	5
EYES & OPTIC N. ..... Number examined:		5	5	5	4	5	5	5	4	3	5
GALL BLADDER ..... Number examined:		5	5	4	3	4	5	5	4	3	5
GUT LYMPH TISSUE ..... Number examined:		5	5	5	4	5	5	5	4	3	5
NECROSIS AND LYMPHORRHEXIS, LYMPHOID TISSUE		0	0	0	0	1	0	0	0	0	0
HEART ..... Number examined:		5	5	5	4	5	5	5	5	3	5
THROMBUS, MURAL		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, SUB-ACUTE		0	0	0	0	1	0	0	0	0	0
ILEUM ..... Number examined:		5	5	5	4	5	5	5	4	3	5
JEJUNUM ..... Number examined:		5	5	5	4	5	5	5	4	3	5
KIDNEY ..... Number examined:		5	4	4	2	5	5	5	4	3	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	1	1	0	1	0	1	0	0	0
VACUOLATION, TUBULAR EPITHELIUM		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	1	0	0	0	0	0	0	0	0
NECROSIS, TUBULAR, COAGUALTIVE		0	0	0	0	1	0	0	0	0	0
VASCULITIS, PERIRENAL FAT, SUBACUTE		0	0	0	0	1	0	0	0	0	0
BACTERIAL EMBOLI IN URINIFEROUS SPACE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, RENAL PELVIS, SUBACUTE		0	0	0	0	0	1	0	0	0	0
THROMBOSIS AND INFARCTION, PARENCHYMA		0	0	0	0	0	0	0	0	0	0
DILATION, TUBULAR LUMENA		0	0	0	0	0	0	0	0	0	1
LAC. GLD. ..... Number examined:		5	5	5	4	5	5	5	5	3	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	1	0	0	0	0	1
NECROSIS, COAGULATIVE, PARENCHYMA		0	0	0	0	1	0	0	0	0	0
INFLAMMATION, INTERSTITIAL AND ADVENTITIAL, CHRONIC		0	0	0	0	0	1	0	0	0	0

-]

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 3

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals -- Affected --									
					-- Males --						
		Ctls	1	2	3	4	5	6	7	8	9
		5	5	5	4	5	5	5	5	3	5
LIVER	Number examined:	5	5	4	3	5	5	5	4	3	5
INFLAMMATION, PERIPORTAL, SUBACUTE		1	0	0	0	2	1	0	0	0	1
NECROSIS, COAGUALTIVE, PARENCHYMAL		0	0	0	1	2	0	1	0	0	0
BACTERIAL EMBOLI		0	0	0	0	0	0	0	0	0	0
LYMPH NODES	Number examined:	5	5	5	4	5	5	5	4	3	5
LUNGS	Number examined:	5	5	4	4	5	5	5	5	3	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		5	4	4	2	3	4	4	4	1	5
HISTIOCYTOSIS, ALVEOLAR		0	0	0	1	0	0	0	0	0	0
VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS		0	1	1	0	0	1	2	1	0	0
HEMORRHAGE, INTRA-ALVEOLAR, ACUTE		0	0	1	1	0	0	0	0	1	0
INFARCT, VASCULAR, CHRONIC		0	0	0	1	0	0	0	0	0	0
BACTERIAL EMBOLI, INTRAVASCULAR		0	0	0	0	0	0	0	0	0	0
MAMMARY GLAND	Number examined:	0	1	1	0	0	1	0	1	0	1
MESEN.LYMPH NODE	Number examined:	3	4	3	3	4	4	3	3	3	4
MISCELLANEOUS	Number examined:	5	4	5	4	5	5	5	4	3	5
PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA		0	0	0	0	0	0	0	0	0	1
THROMBOSIS, CHRONIC, VENA CAVA		0	2	0	0	0	0	0	0	0	1
INFLAMMATION, SUBACUTE, ADIPOSE TISSUE		0	0	0	0	0	1	0	0	0	0
PANCREAS	Number examined:	5	4	5	4	4	5	5	4	3	5
PITUITARY GLAND	Number examined:	4	5	4	4	4	4	3	4	3	5

PATHOLOGY TABLE 3 (cont.)

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 4

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals Affected -- (Males)									
		Ctls	1	2	3	4	5	6	7	8	9
		5	5	5	4	5	5	5	5	3	5
PROSTATE	Number examined:	5	4	5	4	5	5	5	4	3	5
PARATHYROID	Number examined:	5	4	2	3	5	4	5	4	3	4
SPINAL CORD	Number examined:	5	5	5	3	5	5	5	5	3	5
SALIVARY GLAND	Number examined:	5	5	5	4	5	4	5	5	3	5
INFLAMMATION, INTERSTITIAL, CHRONIC		0	1	1	0	0	0	0	0	0	0
SKIN	Number examined:	5	4	4	4	5	5	5	4	3	5
GRANULATION AND SUTURE MATERIAL		0	0	0	1	0	0	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	1	0	0	0	0	0
NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS		0	0	0	1	0	0	0	0	1	2
INFLAMMATION, CHRONIC ACTIVE, AND NECROSIS, SUBCUTIS		0	0	0	0	0	0	1	0	0	0
GRANULATION TISSUE, WITH CYST FORMATION, SUBCUTIS		0	0	0	0	0	0	0	0	1	0
EDEMA, SUBCUTIS, ACUTE		0	0	0	0	0	0	0	0	0	1
SKELETAL MUSCLE	Number examined:	5	5	5	4	5	5	5	4	3	5
INFLAMMATION, AND SCARRING, CHRONIC		0	0	0	2	0	0	1	0	0	0
SCIATIC NERVE	Number examined:	5	5	5	4	5	5	5	5	3	5
SPLEEN	Number examined:	5	5	4	4	5	5	5	4	3	5
STOMACH	Number examined:	5	5	5	4	5	5	5	4	3	5
ULCERATION AND INFLAMMATION, MUCOSA, ACUTE		0	0	0	0	0	0	0	1	0	0
TESTIS	Number examined:	5	4	5	4	5	5	5	4	3	5

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals --				-- Affected -- Males --				
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	5	5	5	4	5	5	5	5	3	5
THYROID GLAND	Number examined:		5	5	5	4	5	5	5	5	3	5
CYST, THYRO-GLOSSAL DUCT REMNANT			1	0	0	0	0	0	0	1	0	0
THYMUS	Number examined:		5	5	5	3	4	5	4	3	3	5
TRACHEA	Number examined:		5	5	4	4	5	5	5	5	3	5
URINARY BLADDER	Number examined:		5	4	5	4	5	5	5	4	3	5
INFLAMMATION, INTERSTITIAL, SUBACUTE			0	0	1	0	0	0	0	0	0	0
URETER	Number examined:		5	5	5	4	5	5	5	3	3	5

PATHOLOGY TABLE 3 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals Affected -- -- Females -- Ctls 5	1 5	2 5	3 5	4 5	5 5	6 4	7 5	8 5	9 5
ADRENAL GLANDS	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	1	0	0	0	0	0	0	0	0
AORTA	Number examined:	5	5	5	5	5	5	4	5	5	5
BRAIN	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, PERIVASCULAR, SUBACUTE		2	1	3	1	1	2	0	1	1	3
INFLAMMATION, GRANULOMATOUS		2	0	3	1	1	2	0	1	1	2
INFLAMMATION, LEPTOMENINGES, SUBACUTE		0	0	0	0	0	0	0	0	1	0
CECUM	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, MUCOSAL, SUBACUTE		0	0	0	0	1	0	0	0	0	0
COLON	Number examined:	5	5	5	5	5	5	4	5	5	5
DIAPHRAGM	Number examined:	5	4	4	5	3	5	2	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	1	1	0	0	0	0	1	1
DUODENUM	Number examined:	5	5	5	5	5	5	4	5	5	5
ESOPHAGUS	Number examined:	5	5	5	5	5	5	4	5	5	5
EYES & OPTIC N.	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, SUBACUTE, CHOROID		0	0	1	0	0	0	0	0	0	0
GALL BLADDER	Number examined:	5	5	5	5	5	5	4	5	5	5
EDEMA, MUCOSA, ACUTE		0	0	0	0	0	0	0	1	0	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals -- Females -- Affected --									
		Ctls	1	2	3	4	5	6	7	8	9
		5	5	5	5	5	5	4	5	5	5
GUT-LYMPHOID TIS	Number examined:	5	5	5	5	5	5	4	4	5	5
HEART	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		1	0	0	2	0	0	0	2	1	1
INFLAMMATION, INTERSTITIAL, ACUTE, WITH BACTERIA		1	0	1	0	0	0	0	0	0	0
ILEUM	Number examined:	5	5	5	5	5	5	4	5	5	5
JEJUNUM	Number examined:	5	5	5	5	5	5	4	5	5	5
KIDNEY	Number examined:	5	5	5	5	5	5	4	5	5	5
INTERSTITIAL INFLAMMATION, SUBACUTE		1	1	3	1	1	1	0	1	1	2
VACUOLATED TUBULAR EPITHELIUM		0	0	1	2	0	1	0	1	3	2
INFLAMMATION, ACUTE, RENAL PELVIS		0	0	0	0	1	0	0	0	0	0
NECROSIS, TUBULAR, ACUTE		0	0	0	0	0	0	0	0	1	1
ILATED TUBULES		0	0	0	0	0	0	0	0	1	1
LAC. GLD.	Number examined:	5	5	5	5	5	5	4	5	5	5
HEMORRHAGE, ACUTE		0	0	0	0	0	0	0	0	1	0
LIVER	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, SUBACUTE, PERIPORTAL		3	3	4	2	3	3	1	3	4	3
CONGESTION, VASCULAR, ACUTE		0	0	0	0	1	0	0	1	0	0
INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS		1	0	0	0	0	0	1	1	0	0
HEMORRHAGE, ACUTE		0	0	0	0	0	0	0	1	0	0
REDUPLICATION/HYPERPLASIA, BILE DUCTULES		0	0	0	0	0	0	0	0	0	1
LUNGS	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, INTERSTITIAL, SUBACUTE		3	2	2	2	2	3	2	4	3	3
INFLAMMATION, PERIVASCULAR, ACUTE		0	1	0	0	0	0	0	0	1	0
ALVEOLAR HISTIOCYTOSIS		0	0	0	1	0	0	0	0	0	0
VASCULAR CONGESTION, ACUTE		0	0	0	0	1	1	0	0	2	0

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals -- Females -- Affected --									
		Ctls	1	2	3	4	5	6	7	8	9
		5	5	5	5	5	5	4	5	5	5
LUNGS	Number examined:	5	5	5	5	5	5	4	5	5	5
VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS		2	0	0	0	1	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, ACUTE		0	0	0	0	0	1	1	0	0	0
HEMORRHAGE, INTRA-ALVEOLAR, ACUTE		0	0	0	0	0	0	0	0	0	1
MAMMARY GLANDS	Number examined:	5	5	5	5	5	4	3	5	5	4
NECROSIS, ACUTE		0	0	0	0	0	0	0	0	1	0
MESEN LYMPH NODE	Number examined:	5	5	5	5	5	5	4	5	5	5
MISCELLANEOUS	Number examined:	5	5	5	5	5	5	4	5	5	5
PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA		2	3	2	3	4	1	2	4	4	3
THROMBOSIS, CHRONIC, VENA CAVA		2	3	2	4	4	1	2	5	5	1
INFLAMMATION, CHRONIC-ACTIVE, LIP		0	0	0	0	0	0	0	1	0	0
OVARIES	Number examined:	5	5	5	5	5	5	4	5	5	5
PARA-OVARIAN CYST		0	2	0	0	0	0	0	0	0	0
PANCREAS	Number examined:	5	5	5	5	5	5	4	5	4	5
PITUITARY GLAND	Number examined:	5	5	5	5	5	5	4	5	5	5
PARATHYROID	Number examined:	5	5	5	5	5	5	4	5	5	5
SPINAL CORD	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, SUBACUTE		0	1	0	0	0	0	0	0	0	1
SALIVARY GLAND	Number examined:	5	5	5	5	5	5	4	5	5	5
NECROSIS AND CHRONIC-ACTIVE CELLULITIS		0	0	1	0	0	0	0	0	1	0
HEMORRHAGE AND EDEMA, ACUTE		0	0	1	1	0	0	0	0	0	1
INFLAMMATION, INTERSTITIUM, CHRONIC		0	0	0	0	1	1	0	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	0	0	0	1	0	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010f
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 4

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	-- Animals -- Females -- Ctls	1	2	3	4	5	Affected -- 6	7	8	9
		5	5	5	5	5	5	4	5	5	5
SKIN	Number examined:	5	5	5	5	5	4	3	5	5	5
EDEMA, SUBCUTIS		0	2	1	1	0	1	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	1	0	1	0	0	0	3	0	0
NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS		0	1	0	1	1	1	0	1	0	0
VASCULITIS, SUBACUTE, DERMIS		0	0	1	0	0	0	0	0	0	0
HEMORRHAGE, SUBCUTIS		0	0	0	1	0	0	0	0	0	0
SKELETAL MUSCLE	Number examined:	5	5	5	5	5	5	4	5	5	4
INFLAMMATION, MYOFIBER, SUBACUTE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITITUM/ADVENTITIA, CHRONIC		0	0	0	0	0	1	0	0	0	0
SCIATIC NERVE	Number examined:	5	5	5	5	5	5	4	5	5	4
INFLAMMATION, PERINEURAL FAT, ACUTE		0	0	0	0	0	0	0	1	0	1
SPLEEN	Number examined:	5	5	5	5	5	5	4	5	5	5
STOMACH	Number examined:	5	5	5	5	5	5	4	5	5	5
THYROID GLAND	Number examined:	5	5	5	5	5	5	4	5	5	5
CYST, THYRO-GLOSSAL DUCT REMNANT		3	3	4	1	3	2	0	4	2	2
CYST, FOLLICULAR		1	0	0	0	0	0	0	0	0	0
THYMUS	Number examined:	5	5	5	5	5	5	4	5	5	5
TRACHEA	Number examined:	5	5	5	5	5	5	4	5	5	5
CONGESTION, VASCULAR, ACUTE		0	0	0	0	0	0	0	0	1	0
URINARY BLADDER	Number examined:	5	5	5	5	5	5	4	5	5	5
INFLAMMATION, INTERSTITIAL-SUBMUCOSAL, SUBACUTE		0	0	0	0	1	0	0	0	0	0

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

SUB-ACUTE/

Notes: Animals = all scheduled sacrificed animal
Controls from group(s):10

Tissues With Diagnoses			-- Animals Affected --									
	Animal sex:		-- Females --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9	
	No. in group:	5	5	5	5	5	5	4	5	5	5	
URETER	Number examined:	5	5	5	5	5	5	4	5	5	5	
UTERUS	Number examined:	5	5	5	5	5	5	4	5	5	5	

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 1

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 37
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals -- Males --					Affected --			
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	0	0	0	1	0	0	0	0	2	0
ADRENAL GLANDS	Number examined:		0	0	0	1	0	0	0	0	2	0
NECROSIS, COAGULATIVE, CORTICAL			0	0	0	0	0	0	0	0	0	0
ARTERIAL THROMBUS AND NECROSIS			0	0	0	0	0	0	0	0	0	0
BACTERIAL EMBOLI			0	0	0	1	0	0	0	0	0	0
AORTA	Number examined:		0	0	0	1	0	0	0	0	2	0
DEGENERATION, MEDIA, SUBACUTE			0	0	0	0	0	0	0	0	0	0
DEGENERATION AND MINERALIZATION, MEDIA			0	0	0	.	0	0	0	0	0	0
BONE MARROW	Number examined:		0	0	0	1	0	0	0	0	2	0
BRAIN	Number examined:		0	0	0	1	0	0	0	0	2	0
INFLAMMATION, PERIVASCULAR, SUBACUTE			0	0	0	0	0	0	0	0	0	0
INFLAMMATION, GRANULOMATOUS			0	0	0	0	0	0	0	0	0	0
CECUM	Number examined:		0	0	0	1	0	0	0	0	2	0
COLON	Number examined:		0	0	0	1	0	0	0	0	2	0
DIAPHRAGM	Number examined:		0	0	0	1	0	0	0	0	2	0
DEGENERATION AND MINERALIZATION, CHRONIC			0	0	0	0	0	0	0	0	1	0
DUODENUM	Number examined:		0	0	0	1	0	0	0	0	2	0
EPIDIDYMUS	Number examined:		0	0	0	1	0	0	0	0	2	0
ESOPHAGUS	Number examined:		0	0	0	1	0	0	0	0	2	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 37
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals Affected -- Males --								
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	0	0	0	1	0	0	0	0	2	0
EYES & OPTIC N.	Number examined:		0	0	0	1	0	0	0	0	2	0
GALL BLADDER	Number examined:		0	0	0	1	0	0	0	0	2	0
GUT LYMPH TISSUE	Number examined:		0	0	0	1	0	0	0	0	2	0
NECROSIS AND LYMPHORRHEXIS, LYMPHOID TISSUE			0	0	0	0	0	0	0	0	0	0
HEART	Number examined:		0	0	0	1	0	0	0	0	2	0
THROMBUS, MURAL			0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, SUB-ACUTE			0	0	0	0	0	0	0	0	0	0
ILEUM	Number examined:		0	0	0	1	0	0	0	0	2	0
JEJUNUM	Number examined:		0	0	0	1	0	0	0	0	2	0
KIDNEY	Number examined:		0	0	0	1	0	0	0	0	2	0
INFLAMMATION, INTERSTITIAL, SUBACUTE			0	0	0	1	0	0	0	0	0	0
VACUOLATION, TUBULAR EPITHELIUM			0	0	0	0	0	0	0	0	0	0
INFLAMMATION, CHRONIC ACTIVE			0	0	0	0	0	0	0	0	0	0
NECROSIS, TUBULAR, COAGULATIVE			0	0	0	0	0	0	0	0	1	0
VASCULITIS, PERIRENAL FAT, SUBACUTE			0	0	0	0	0	0	0	0	0	0
BACTERIA [illegible] URINIFEROUS SPACE			0	0	0	1	0	0	0	0	1	0
INFLAMMATION, [illegible] PELVIS, SUBACUTE			0	0	0	0	0	0	0	0	0	0
THROMBOSIS AND [illegible] PARENCHYMA			0	0	0	0	0	0	0	0	1	0
[illegible]			0	0	0	0	0	0	0	0	0	0
[illegible]	Number examined:		0	0	0	1	0	0	0	0	2	0
INFLAMMATION, [illegible]STITIAL, SUBACUTE			0	0	0	0	0	0	0	0	0	0
NECROSIS [illegible]IVE, PARENCHYMA			0	0	0	0	0	0	0	0	0	0
INFLAMMATION [illegible]ERSTITIAL AND ADVENTITIAL, CHRONIC			0	0	0	0	0	0	0	0	0	0

-]

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 3

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 37
Controls from group(s):10

		-- Animals Affected -- Males --									
Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	Ctls 0	1 0	2 0	3 1	4 0	5 0	6 0	7 0	8 2	9 0
LIVER	Number examined:	0	0	0	1	0	0	0	0	2	0
INFLAMMATION, PERIPORTAL, SUBACUTE		0	0	0	0	0	0	0	0	1	0
NECROSIS, COAGUALTIVE, PARENCHYMAL		0	0	0	1	0	0	0	0	1	0
BACTERIAL EMBOLI		0	0	0	0	0	0	0	0	2	0
LYMPH NODES	Number examined:	0	0	0	1	0	0	0	0	2	0
LUNGS	Number examined:	0	0	0	1	0	0	0	0	2	0
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	0	0	0	0	1	0
HISTIOCYTOSIS, ALVEOLAR		0	0	0	0	0	0	0	0	0	0
VASCULITIS, NECROTIZING, CHRONIC, [illegible]		0	0	0	1	0	0	0	0	0	0
HEMORRHAGE, INTRA-ALVEOLAR, ACUTE		0	0	0	1	0	0	0	0	1	0
INFARCT, VASCULAR, CHRONIC		0	0	0	0	0	0	0	0	1	0
BACTERIAL EMBOLI, INTRAVASCULAR		0	0	0	0	0	0	0	0	1	0
MAMMARY GLAND	Number examined:	0	0	0	0	0	0	0	0	1	0
MESEN.LYMPH NODE	Number examined:	0	0	0	1	0	0	0	0	2	0
MISCELLANEOUS	Number examined:	0	0	0	1	0	0	0	0	2	0
PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA		0	0	0	0	0	0	0	0	0	0
THROMBOSIS, CHRONIC, VENA CAVA		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, SUBACUTE, ADIPOSE TISSUE		0	0	0	0	0	0	0	0	0	0
PANCREAS	Number examined:	0	0	0	1	0	0	0	0	2	0
PITUITARY GLAND	Number examined:	0	0	0	1	0	0	0	0	2	0

PATHOLOGY TABLE 4 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 4

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 37
Controls from group(s):10

Tissues With Diagnoses	Animal sex: / Dosage group: / No. in group:	Ctls	1	2	3	4	5	6	7	8	9
		-- Animals --				Affected -- Males --					
		0	0	0	1	0	0	0	0	2	0
PROSTATE	Number examined:	0	0	0	1	0	0	0	0	2	0
PARATHYROID	Number examined:	0	0	0	1	0	0	0	0	1	0
SPINAL CORD	Number examined:	0	0	0	1	0	0	0	0	2	0
SALIVARY GLAND	Number examined:	0	0	0	1	0	0	0	0	2	0
INFLAMMATION, INTERSTITIAL, CHRONIC		0	0	0	0	0	0	0	0	0	0
SKIN	Number examined:	0	0	0	1	0	0	0	0	2	0
GRANULATION AND SUTURE MATERIAL		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0
NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, CHRONIC ACTIVE, AND NECROSIS, SUBCUTIS		0	0	0	0	0	0	0	0	0	0
GRANULATION TISSUE, WITH CYST FORMATION, SUBCUTIS		0	0	0	0	0	0	0	0	0	0
EDEMA, SUBCUTIS, ACUTE		0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE	Number examined:	0	0	0	1	0	0	0	0	2	0
INFLAMMATION, AND SCARRING, CHRONIC		0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE	Number examined:	0	0	0	1	0	0	0	0	2	0
SPLEEN	Number examined:	0	0	0	1	0	0	0	0	2	0
STOMACH	Number examined:	0	0	0	1	0	0	0	0	2	0
ULCERATION AND INFLAMMATION, MUCOSA, ACUTE		0	0	0	0	0	0	0	0	0	0
TESTIS	Number examined:	0	0	0	1	0	0	0	0	2	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010M
All Diagnoses
Study Start Date: 25-Apr-89

PRINTED: 22-Sep-89
Page: 5

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 37
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals Affected --								
					-- Males --						
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	0	0	0	1	0	0	0	0	2	0
THYROID GLAND	Number examined:		0	0	0	1	0	0	0	0	2	0
CYST, THYRO-GLOSSAL DUCT REMNANT			0	0	0	1	0	0	0	0	1	0
THYMUS	Number examined:		0	0	0	1	0	0	0	0	2	0
TRACHEA	Number examined:		0	0	0	1	0	0	0	0	2	0
URINARY BLADDER	Number examined:		0	0	0	1	0	0	0	0	2	0
INFLAMMATION, INTERSTITIAL, SUBACUTE			0	0	0	0	0	0	0	0	0	0
URETER	Number examined:		0	0	0	1	0	0	0	0	2	0

Appendix I (cont.): PATHOLOGY REPORT

LEITERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 6

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 23
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals Affected -- -- Females --								
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	0	0	0	0	0	0	1	0	0	0
ADRENAL GLANDS	Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE			0	0	0	0	0	0	0	0	0	0
AORTA	Number examined:		0	0	0	0	0	0	1	0	0	0
BRAIN	Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, PERIVASCULAR, SUBACUTE			0	0	0	0	0	0	0	0	0	0
INFLAMMATION, GRANULOMATOUS			0	0	0	0	0	0	0	0	0	0
INFLAMMATION, LEPTOMENINGES, SUBACUTE			0	0	0	0	0	0	0	0	0	0
CECUM	Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, MUCOSAL, SUBACUTE			0	0	0	0	0	0	0	0	0	0
COLON	Number examined:		0	0	0	0	0	0	1	0	0	0
DIAPHRAGM	Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE			0	0	0	0	0	0	0	0	0	0
DUODENUM	Number examined:		0	0	0	0	0	0	1	0	0	0
ESOPHAGUS	Number examined:		0	0	0	0	0	0	1	0	0	0
EYES & OPTIC N.	Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, SUBACUTE, CHOROID			0	0	0	0	0	0	0	0	0	0
GALL BLADDER	Number examined:		0	0	0	0	0	0	1	0	0	0
EDEMA, MUCOSA, ACUTE			0	0	0	0	0	0	0	0	0	0

Zaucha et al.--809

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: S8010f
All Diagnoses
Study Start Date: 30-May-89

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 23
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Females --								
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	0	0	0	0	0	0	1	0	0	0
GUT-LYMPHOID TIS ..... Number examined:		0	0	0	0	0	0	1	0	0	0
HEART ..... Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, ACUTE, WITH BACTERIA		0	0	0	0	0	0	0	0	0	0
ILEUM ..... Number examined:		0	0	0	0	0	0	1	0	0	0
JEJUNUM .... Number examined:		0	0	0	0	0	0	1	0	0	0
KIDNEY ..... Number examined:		0	0	0	0	0	0	1	0	0	0
INTERSTITIAL INFLAMMATION, SUBACUTE		0	0	0	0	0	0	0	0	0	0
VACUOLATED TUBULAR EPITHELIUM		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, ACUTE, RENAL PELVIS		0	0	0	0	0	0	0	0	0	0
NECROSIS, TUBULAR, ACUTE		0	0	0	0	0	0	0	0	0	0
DILATED TUBULES		0	0	0	0	0	0	0	0	0	0
LAC. GLD. ..... Number examined:		0	0	0	0	0	0	1	0	0	0
HEMORRHAGE, ACUTE		0	0	0	0	0	0	0	0	0	0
LIVER ..... Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, SUBACUTE, PERIPORTAL		0	0	0	0	0	0	1	0	0	0
CONGESTION, VASCULAR, ACUTE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS		0	0	0	0	0	0	1	0	0	0
HEMORRHAGE, ACUTE		0	0	0	0	0	0	0	0	0	0
REDUPLICATION/HYPERPLASIA, BILE DUCTULES		0	0	0	0	0	0	0	0	0	0
LUNGS ..... Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, PERIVASCULAR, ACUTE		0	0	0	0	0	0	0	0	0	0
ALVEOLAR HISTIOCYTOSIS		0	0	0	0	0	0	0	0	0	0
VASCULAR CONGESTION, ACUTE		0	0	0	0	0	0	0	0	0	0

PATHOLOGY TABLE 4 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 8

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 23
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Females --								
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	0	0	0	0	0	0	1	0	0	0
LUNGS ..... Number examined:		0	0	0	0	0	0	1	0	0	0
VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, ACUTE		0	0	0	0	0	0	0	0	0	0
HEMORRHAGE, INTRA-ALVEOLAR, ACUTE		0	0	0	0	0	0	0	0	0	0
MAMMARY GLANDS ..... Number examined:		0	0	0	0	0	0	1	0	0	0
NECROSIS, ACUTE		0	0	0	0	0	0	0	0	0	0
MESEN LYMPH NODE ..... Number examined:		0	0	0	0	0	0	1	0	0	0
MISCELLANEOUS ..... Number examined:		0	0	0	0	0	0	1	0	0	0
PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA		0	0	0	0	0	0	1	0	0	0
THROMBOSIS, CHRONIC, VENA CAVA		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, CHRONIC-ACTIVE, LIP		0	0	0	0	0	0	0	0	0	0
OVARIES ..... Number examined:		0	0	0	0	0	0	1	0	0	0
PARA-OVARIAN CYST		0	0	0	0	0	0	0	0	0	0
PANCREAS ..... Number examined:		0	0	0	0	0	0	1	0	0	0
PITUITARY GLAND ..... Number examined:		0	0	0	0	0	0	1	0	0	0
PARATHYROID ..... Number examined:		0	0	0	0	0	0	1	0	0	0
SPINAL CORD ..... Number examined:		0	0	0	0	0	0	1	0	0	0
INFLAMMATION, SUBACUTE		0	0	0	0	0	0	0	0	0	0
SALIVARY GLAND ..... Number examined:		0	0	0	0	0	0	1	0	0	0
NECROSIS AND CHRONIC-ACTIVE CELLULITIS		0	0	0	0	0	0	0	0	0	0
HEMORRHAGE AND EDEMA, ACUTE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIUM, CHRONIC		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITIAL, SUBACUTE		0	0	0	0	0	0	0	0	0	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010f
All Diagnoses
Study Start Date: 30-May-89

PRINTED: 22-Sep-89
Page: 9

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 23
Controls from group(s):10

Tissues With Diagnoses	Animal sex:	-- Animals Affected -- Females --									
	Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
	No. in group:	0	0	0	0	0	0	1	0	0	0
SKIN	Number examined:	0	0	0	0	0	0	1	0	0	0
EDEMA, SUBCUTIS		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0
NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS		0	0	0	0	0	0	0	0	0	0
VASCULITIS, SUBACUTE, DERMIS		0	0	0	0	0	0	0	0	0	0
HEMORRHAGE, SUBCUTIS		0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE	Number examined:	0	0	0	0	0	0	1	0	0	0
INFLAMMATION, MYOFIBER, SUBACUTE		0	0	0	0	0	0	0	0	0	0
INFLAMMATION, INTERSTITITUM/ADVENTITIA, CHRONIC		0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE	Number examined:	0	0	0	0	0	0	1	0	0	0
INFLAMMATION, PERINEURAL FAT, ACUTE		0	0	0	0	0	0	0	0	0	0
SPLEEN	Number examined:	0	0	0	0	0	0	1	0	0	0
STOMACH	Number examined:	0	0	0	0	0	0	1	0	0	0
THYROID GLAND	Number examined:	0	0	0	0	0	0	1	0	0	0
CYST, THYRO-GLOSSAL DUCT REMNANT		0	0	0	0	0	0	0	0	0	0
CYST, FOLLICULAR		0	0	0	0	0	0	0	0	0	0
THYMUS	Number examined:	0	0	0	0	0	0	1	0	0	0
TRACHEA	Number examined:	0	0	0	0	0	0	1	0	0	0
CONGESTION, VASCULAR, ACUTE		0	0	0	0	0	0	0	0	0	0
URINARY BLADDER	Number examined:	0	0	0	0	0	0	1	0	0	0
INFLAMMATION, INTERSTITIAL-SUBMUCOSAL, SUBACUTE		0	0	0	0	0	0	0	0	0	0

PATHOLOGY TABLE 4 (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Incidence Summary of Microscopic Observations
Study Number: 88010F
All Diagnoses
Study Start Date: 30-May-89

SUB-ACUTE/

Notes: Animals = unscheduled dead for study days 1- 23
Controls from group(s):10

Tissues With Diagnoses		Animal sex:	-- Animals Affected -- Females --								
		Dosage group:	Ctls	1	2	3	4	5	6	7	8	9
		No. in group:	0	0	0	0	0	0	1	0	0	0
URETER	Number examined:		0	0	0	0	0	0	1	0	0	0
UTERUS	Number examined:		0	0	0	0	0	0	1	0	0	0

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H

PRINTED: 27-Oct-89
Page: 1

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00126 Sex: Male Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.79

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	138.5	3.65	1462.8	
09-May-89	15/3	KIDNEY	17.5	0.46	184.7	
09-May-89	15/3	HEART	7.9	0.21	83.0	Low
09-May-89	15/3	BRAIN	9.5	0.25	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	1.03	0.027	10.85	High
09-May-89	15/3	TESTIS	5.34	0.141	56.42	Low
09-May-89	15/3	SPLEEN	1.2	0.03	12.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
ADRENAL GLANDS	ENLARGED, UNILATERALLY, Mild	DARK RED, AT CATHETER TIP

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PARATHYROID	Required protocol tissue is missing.
PROSTATE	Required protocol tissue is missing.
URINARY BLADDER	Required protocol tissue is missing.
SKIN	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

PATHOLOGY ANNEX

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 2

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00140 Sex: Male Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.07

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	68.7	2.24	763.9	Low
09-May-89	15/3	KIDNEY	16.9	0.55	188.2	
09-May-89	15/3	HEART	8.2	0.27	91.0	Low
09-May-89	15/3	BRAIN	9.0	0.29	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.58	0.019	6.44	
09-May-89	15/3	TESTIS	6.09	0.198	67.81	Low
09-May-89	15/3	SPLEEN	1.0	0.03	10.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MISCELLANEOUS	THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00155 Sex: Male Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.62

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
16-May-89	22/4	LIVER	114.9	3.17	1021.0	Low
16-May-89	22/4	KIDNEY	12.4	0.34	110.1	
16-May-89	22/4	HEART	12.4	0.34	110.1	
16-May-89	22/4	BRAIN	11.3	0.31	100.0	Low
16-May-89	22/4	ADRENAL GLANDS	0.76	0.021	6.72	
16-May-89	22/4	TESTIS	5.20	0.143	46.15	Low
16-May-89	22/4	SPLEEN	3.4	0.09	29.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H

PRINTED: 27-Oct-89
Page: 4

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00166 Sex: Male Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.60

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	145.2	4.03	1612.1	
17-May-89	23/4	KIDNEY	24.1	0.67	267.8	High
17-May-89	23/4	HEART	10.6	0.29	117.1	
17-May-89	23/4	BRAIN	9.0	0.25	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.77	0.021	8.55	
17-May-89	23/4	TESTIS	5.86	0.163	65.05	Low
17-May-89	23/4	SPLEEN	2.8	0.08	30.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	INFLAMMATION, INTERSTITIAL, CHRONIC, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifo
KIDNEY	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifo .
ADRENAL GLANDS	NECROSIS, COAGULATIVE, CORTICAL, Marked, Focal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 5

SUB-ACUTE/

Animal: 89F00130 Sex: Male Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.75

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	138.1	3.69	1390.6	
17-May-89	23/4	KIDNEY	24.6	0.66	247.4	High
17-May-89	23/4	HEART	11.4	0.30	114.3	
17-May-89	23/4	BRAIN	9.9	0.27	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.68	0.018	6.89	
17-May-89	23/4	TESTIS	7.54	0.201	75.91	Low
17-May-89	23/4	SPLEEN	5.7	0.15	57.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	DISSEMINATED FOCI, Trace	FIRM ROUND RED AND WHITE, 2 X 2 MM, MULTIFOCAL
HEART	INFARCTION(S)/SCAR(S), Mild	RIGHT AURICLE FIRM, WHITE AND LARGE, CATHETHER TIP
URINARY BLADDER	EDEMA, Mild	SEROSA
SPLEEN	ENLARGED(SPLENOMEGALY), Mild	
KIDNEY	INFARCT, Moderate	1/2 X 1/2 X 1/2 CM, WHITE, LEFT KIDNEY
	INFARCT, Trace	2 X 2 MM RIGHT KIDNEY

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Moderate, Diffuse.
	VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Moderate, Multifocal.
KIDNEY	INFLAMMATION, CHRONIC-ACTIVE, Moderate, Multifocal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 6

SUB-ACUTE/

Animal: 89F00130 Sex: Male Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.75

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
MAMMARY GLAND	Required protocol tissue is missing.
MISCELLANEOUS	THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 7

SUB-ACUTE/

Animal: 89F00118 Sex: Male Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.60

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	122.7	3.41	1327.8	
09-May-89	15/3	KIDNEY	18.7	0.52	202.6	
09-May-89	15/3	HEART	9.6	0.27	104.0	Low
09-May-89	15/3	BRAIN	9.2	0.26	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.55	0.015	5.94	
09-May-89	15/3	TESTIS	5.18	0.144	56.03	Low
09-May-89	15/3	SPLEEN	1.6	0.05	17.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PARATHYROID	Required protocol tissue is missing.
MESEN.LYMPH NODE	Required protocol tissue is missing.
SKIN	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 8

SUB-ACUTE/

Animal: 89F00141 Sex: Male Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.03

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	123.1	4.07	1334.2	
09-May-89	15/3	KIDNEY	17.0	0.56	184.5	High
09-May-89	15/3	HEART	9.5	0.31	103.1	
09-May-89	15/3	BRAIN	9.2	0.30	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.64	0.021	6.96	
09-May-89	15/3	TESTIS	5.13	0.169	55.54	Low
09-May-89	15/3	SPLEEN	2.5	0.08	26.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
TRACHEA	Required protocol tissue is missing.
PARATHYROID	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00132 Sex: Male Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.62

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	93.1	2.57	928.1	Low
09-May-89	15/3	KIDNEY	20.0	0.55	199.4	
09-May-89	15/3	HEART	10.1	0.28	101.0	Low
09-May-89	15/3	BRAIN	10.0	0.28	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.32	0.009	3.19	
09-May-89	15/3	TESTIS	7.66	0.212	76.37	Low
09-May-89	15/3	SPLEEN	1.4	0.04	14.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal. VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Focal. HEMORRHAGE, INTRA-ALVEOLAR, ACUTE, Marked, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
DIAPHRAGM	Required protocol tissue is missing.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 10

SUB-ACUTE/

Animal: 89F00176 Sex: Male Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.69

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	148.2	4.01	1451.0	
17-May-89	23/4	KIDNEY	19.2	0.52	187.9	
17-May-89	23/4	HEART	9.9	0.27	97.0	Low
17-May-89	23/4	BRAIN	10.2	0.28	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.50	0.013	4.85	
17-May-89	23/4	TESTIS	4.95	0.134	48.42	Low
17-May-89	23/4	SPLEEN	3.3	0.09	32.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 11

SUB-ACUTE/

Animal: 89F00257 Sex: Male Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.20

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	120.8	3.78	1344.1	
31-May-89	37/6	KIDNEY	17.0	0.53	188.9	
31-May-89	37/6	HEART	7.8	0.24	86.5	Low
31-May-89	37/6	BRAIN	9.0	0.28	100.0	Low
31-May-89	37/6	ADRENAL GLANDS	0.55	0.017	6.12	
31-May-89	37/6	TESTIS	3.90	0.122	43.39	Low
31-May-89	37/6	SPLEEN	3.0	0.09	33.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
URINARY BLADDER	EDEMA, Moderate	APEX, SEROSA
LIVER	LIPIDOSIS, Trace	LEFT LOBE
LUNGS	PETECHIAE, Mild	MULTIFOCAL
VENA CAVA	THROMBUS, Moderate	AT RENAL VEIN

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	INFLAMMATION, INTERSTITIAL, CHRONIC, Mild, Multifocal.
PARATHYROID	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
KIDNEY	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, C/ 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 12

SUB-ACUTE/

Animal: 89F00257 Sex: Male Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.20

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
URINARY BLADDER	INFLAMMATION, INTERSTITIAL, SUBACUTE, Moderate.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 13
SUB-ACUTE/

Animal: 89F00129 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.22

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	116.4	3.61	1205.5	
09-May-89	15/3	KIDNEY	19.3	0.60	200.0	High
09-May-89	15/3	HEART	8.2	0.26	85.4	Low
09-May-89	15/3	BRAIN	9.7	0.30	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.49	0.015	5.04	
09-May-89	15/3	TESTIS	5.14	0.160	53.26	Low
09-May-89	15/3	SPLEEN	1.9	0.06	19.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Marked	LEFT FLANK AT CATHETER, 30CC WITH PUS

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PARATHYROID	Required protocol tissue is missing.
ADRENAL GLANDS	ARTERIAL THROMBUS AND NECROSIS, Mild, Focal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00154 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 12 Status: FOUND DEAD Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status

No organ weight data for animal

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments

No gross observations recorded on animal.

<< Necropsy Memos >>

Tissue	Necropsy memos
WHOLE BODY	DIFFUSE POST-MORTEM DEGENERATION

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Moderate, Focal.
AORTA	DEGENERATION AND MINERALIZATION, MEDIA, Marked, Focal.
LUNGS	VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Moderate, Focal. HEMORRHAGE, INTRA-ALVEOLAR, ACUTE, Mild, Multifocal.
LIVER	NECROSIS, COAGUALTIVE, PARENCHYMAL \, Mild, Multifocal.
KIDNEY	INFLAMMATION, INTERSTITIAL, SUBACUTE, Moderate, Multifocal. BACTERIAL EMBOLI IN URINIFEROUS SPACE, Present.
ADRENAL GLANDS	BACTERIAL EMBOLI, Present.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 15

SUB-ACUTE/

Animal: 89F00147 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.10

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	149.5	4.83	1520.1	High
09-May-89	15/3	KIDNEY	21.4	0.69	217.2	High
09-May-89	15/3	HEART	8.9	0.29	90.0	
09-May-89	15/3	BRAIN	9.8	0.32	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.54	0.018	5.52	
09-May-89	15/3	TESTIS	5.58	0.180	56.77	Low
09-May-89	15/3	SPLEEN	4.6	0.15	46.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Mild	1 CM X 1 CM MULTIFOCAL
SKELETAL MUSCLE	NECROSIS, Trace	SEMITEND-MEM RIGHT REAR, 1 X 1/4 CM

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SPINAL CORD	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
SKELETAL MUSCLE	INFLAMMATION, AND SCARRING, CHRONIC, Moderate.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00172 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.86

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	87.5	2.27	865.5	Low
17-May-89	23/4	KIDNEY	19.2	0.50	189.6	
17-May-89	23/4	HEART	10.8	0.28	107.3	
17-May-89	23/4	BRAIN	10.1	0.26	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.49	0.013	4.83	
17-May-89	23/4	TESTIS	6.20	0.161	61.32	Low
17-May-89	23/4	SPLEEN	4.7	0.12	46.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	PETECHIAE, Mild	DIFFUSE
SKELETAL MUSCLE	HEMORRHAGE(S), Moderate	LEFT LONGISSIMUS DORSI
KIDNEY	HEMORRHAGE(S), Marked	PERIRENAL, LEFT
LIVER	LIPIDOSIS, Trace	MULTIFOCAL
VERTEBRAL BODY	FRACTURE	TRANSVERSE PROCESS L3 & 4

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	HISTIOCYTOSIS, ALVEOLAR, Moderate, Multifocal. HEMORRHAGE, INTRA-ALVEOLAR, ACUTE, Mild, Multifocal.
LIVER	Required protocol tissue not examined.
GALL BLADDER	Required protocol tissue not examined.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 17
SUB-ACUTE/

Animal: 89F00172 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.86

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
KIDNEY	Required protocol tissue not examined.
SKELETAL MUSCLE	INFLAMMATION, AND SCARRING, CHRONIC, Mild.
DIAPHRAGM	DEGENERATION AND MINERALIZATION, CHRONIC, Slight, Focal.
SKIN	GRANULATION AND SUTURE MATERIAL, Present.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00173 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.92

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	138.5	4.74	1369.0	High
17-May-89	23/4	KIDNEY	19.1	0.65	188.4	High
17-May-89	23/4	HEART	10.4	0.36	103.3	
17-May-89	23/4	BRAIN	10.1	0.35	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.11	0.004	1.05	Low
17-May-89	23/4	TESTIS	5.41	0.185	53.50	Low
17-May-89	23/4	SPLEEN	2.8	0.10	28.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross free-text Comments
LIVER	FOCUS, Trace	DIAPHRAMATIC LOBE, .1 X 1.5CM, WHITE
ADRENAL GLANDS	GROWTH(S)/MASS(ES)	THREE ADRENALS PRESENT
KIDNEY	FOCI, Mild	ONE X ONE MM RED AND WHITE ON SURFACE, BILATERAL
LUNGS	FOCUS, Moderate	RED AND WHITE, 2 1/2 X 1/2 CM
LIP	ULCER, Mild	BILATERAL, COMMISSURES

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal. INFARCT, VASCULAR, CHRONIC, Marked, Focal.
LIVER	NECROSIS, COAGUALTIVE, PARENCHYMAL \, Slight, Focal.
KIDNEY	Required protocol tissue is missing.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 19
SUB-ACUTE/

Animal: 89F00173 Sex: Male Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.92

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYMUS	Required protocol tissue is missing.
SKIN	NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS, Marked, Focal.
MAMMARY GLAND	Required protocol tissue is missing.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00127 Sex: Male Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.32

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	113.6	3.42	1187.9	
09-May-89	15/3	KIDNEY	18.0	0.54	188.2	
09-May-89	15/3	HEART	12.5	0.37	130.3	
09-May-89	15/3	BRAIN	9.6	0.29	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.34	0.010	3.51	
09-May-89	15/3	TESTIS	6.99	0.210	73.10	Low
09-May-89	15/3	SPLEEN	2.0	0.06	20.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, PERIPORTAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 21
SUB-ACUTE/

Animal: 89F00131 Sex: Male Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.24

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	98.0	3.02	1025.1	Low
09-May-89	15/3	KIDKEY	17.3	0.53	181.6	
09-May-89	15/3	HEART	9.5	0.29	99.5	
09-May-89	15/3	BRAIN	9.6	0.29	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.52	0.016	5.40	
09-May-89	15/3	TESTIS	4.32	0.133	45.17	Low
09-May-89	15/3	SPLEEN	1.6	0.05	16.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	FISSURE(S), Mild	ULCER DORSAL NECK
LUNGS	HEMORRHAGE(S), Trace	1 CM POSTERIOR LUNG
	HEMORRHAGE(S), Trace	PETECHIAE DIFFUSE

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00157 Sex: Male Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.07

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	112.6	3.67	1102.0	
09-May-89	15/3	KIDNEY	19.8	0.64	193.6	High
09-May-89	15/3	HEART	8.7	0.28	85.1	
09-May-89	15/3	BRAIN	10.2	0.33	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.63	0.020	6.15	
09-May-89	15/3	TESTIS	5.17	0.169	50.62	Low
09-May-89	15/3	SPLEEN	1.3	0.04	12.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	INFLAMMATION, Marked	SUBCUTIS, LEFT THIGH

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
SKIN	INFLAMMATION, CHRONIC-ACTIVE, Marked, Diffuse.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 23

SUB-ACUTE/

Animal: 89F00169 Sex: Male Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.38

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	119.3	3.53	1300.4	
17-May-89	23/4	KIDNEY	16.5	0.49	179.6	
17-May-89	23/4	HEART	8.1	0.24	88.8	Low
17-May-89	23/4	BRAIN	9.2	0.27	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.36	0.011	3.95	
17-May-89	23/4	TESTIS	5.78	0.171	62.99	Low
17-May-89	23/4	SPLEEN	4.5	0.13	49.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LIVER	LIPIDOSIS, Trace	DIFFUSE
GALL BLADDER	ABSENT	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	NECROSIS, COAGUALTIVE, PARENCHYMAL \, Marked, Multifocal.
GALL BLADDER	Required protocol tissue is missing.
KIDNEY	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
THYMUS	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00258 Sex: Male Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.27

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	83.0	3.66	777.3	
31-May-89	37/6	KIDNEY	18.6	0.82	173.7	High
31-May-89	37/6	HEART	7.0	0.31	65.7	
31-May-89	37/6	BRAIN	10.7	0.47	100.0	
31-May-89	37/6	ADRENAL GLANDS	0.55	0.024	5.13	High
31-May-89	37/6	TESTIS	3.88	0.171	36.27	Low
31-May-89	37/6	SPLEEN	3.0	0.13	28.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
STOMACH	TRICHOBEZOAR, Moderate	
KIDNEY	INFARCT, Marked	BILATERAL
LIVER	FOCUS, Trace	ON EDGE
VENA CAVA	THROMBUS, Marked	AT CATHETER TIP
GUT LYMPH TISSUE	ATROPHY, Moderate	SACCULUS ROTUNDUS, CECAL TONSIL

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal.
LAC. GLD.	INFLAMMATION, INTERSTITIAL, SUBACUTE, Marked, Diffuse. NECROSIS, COAGULATIVE, PARENCHYMA, Marked, Multifocal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H

Study Start Date: 25-Apr-89 SUB-ACUTE/

Animal: 89F00258 Sex: Male Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.27

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
HEART	INFLAMMATION, INTERSTITIAL, SUB-ACUTE, Mild, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, PERIPORTAL, SUBACUTE, Mild, Multifocal. NECROSIS, COAGUALTIVE, PARENCHYMAL \, Mild, Multifocal.
KIDNEY	NECROSIS, TUBULAR, COAGUALTIVE, Moderate. VASCULITIS, PERIRENAL FAT, SUBACUTE, Mild, Multifocal.
GUT LYMPH TISSUE	NECROSIS AND LYMPHORRHEXIS, LYMPHOID TISSUE, Mild, Diffuse.
MAMMARY GLAND	Required protocol tissue is missing.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 26

SUB-ACUTE/

Animal: 89F00116 Sex: Male Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.90

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	123.1	3.16	1213.0	Low
09-May-89	15/3	KIDNEY	24.0	0.62	236.8	High
09-May-89	15/3	HEART	3.7	0.09	36.4	Low
09-May-89	15/3	BRAIN	10.1	0.26	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.53	0.014	5.26	
09-May-89	15/3	TESTIS	6.87	0.176	67.75	Low
09-May-89	15/3	SPLEEN	1.9	0.05	18.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
SALIVARY GLAND	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 27

SUB-ACUTE/

Animal: 89F00128 Sex: Male Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.22

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	95.9	2.98	986.0	Low
09-May-89	15/3	KIDNEY	20.7	0.64	212.7	High
09-May-89	15/3	HEART	8.8	0.27	90.8	Low
09-May-89	15/3	BRAIN	9.7	0.30	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.44	0.014	4.48	
09-May-89	15/3	TESTIS	5.26	0.163	54.04	Low
09-May-89	15/3	SPLEEN	1.9	0.06	19.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	ABSCESS(ES), Mild	RIGHT SIDE, AT CATHETER, PUS AND FIBROSIS.

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LAC. GLD.	INFLAMMATION, INTERSTITIAL AND ADVENTITIAL, CHRONIC), Mild, Diffuse.
AORTA	DEGENERATION, MEDIA, SUBACUTE, Mild, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010H
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00148 Sex: Male Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.49

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	140.0	4.02	1500.7	
09-May-89	15/3	KIDNEY	20.1	0.58	215.5	High
09-May-89	15/3	HEART	8.0	0.23	85.5	Low
09-May-89	15/3	BRAIN	9.3	0.27	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.66	0.019	7.02	
09-May-89	15/3	TESTIS	5.41	0.155	57.95	Low
09-May-89	15/3	SPLEEN	1.5	0.04	16.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	INFLAMMATION, Marked	SUBCUTIS LEFT THIGH
	EDEMA, Marked	SCROTUM
ADRENAL GLANDS	ENLARGED, UNILATERALLY, Mild	LEFT

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.
MISCELLANEOUS	INFLAMMATION, SUBACUTE, ADIPOSE TISSUE, Moderate, Diffuse.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00259 Sex: Male Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.86

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	114.6	4.01	1175.3	
31-May-89	37/6	KIDNEY	21.4	0.75	219.8	High
31-May-89	37/6	HEART	14.2	0.49	145.2	
31-May-89	37/6	BRAIN	9.8	0.34	100.0	Low
31-May-89	37/6	ADRENAL GLANDS	0.55	0.019	5.63	
31-May-89	37/6	TESTIS	4.03	0.141	41.30	Low
31-May-89	37/6	SPLEEN	2.4	0.09	25.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal. VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Focal.
LIVER	INFLAMMATION, PERIPORTAL, SUBACUTE, Slight, Multifocal.
KIDNEY	INFLAMMATION, RENAL PELVIS, SUBACUTE, Mild, Diffuse.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 30

SUB-ACUTE/

Animal: 89F00261 Sex: Male Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.82

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	99.5	3.53	1180.2	
31-May-89	37/6	KIDNEY	17.1	0.61	203.2	High
31-May-89	37/6	HEART	10.9	0.39	129.5	
31-May-89	37/6	BRAIN	8.4	0.30	100.0	Low
31-May-89	37/6	ADRENAL GLANDS	0.32	0.011	3.79	
31-May-89	37/6	TESTIS	3.96	0.141	46.98	Low
31-May-89	37/6	SPLEEN	2.9	0.10	33.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PARATHYROID	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 31

SUB-ACUTE/

Animal: 89F00120 Sex: Male Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.48

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	115.1	3.31	1199.9	Low
09-May-89	15/3	KIDNEY	17.9	0.52	186.9	
09-May-89	15/3	HEART	8.4	0.24	87.6	Low
09-May-89	15/3	BRAIN	9.6	0.28	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.44	0.013	4.53	
09-May-89	15/3	TESTIS	6.92	0.199	72.08	Low
09-May-89	15/3	SPLEEN	1.4	0.04	14.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal. VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Focal.
ADRENAL GLANDS	NECROSIS, COAGULATIVE, CORTICAL, Severe, Focal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
DIAPHRAGM	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 32

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00143 Sex: Male Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.59

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	79.6	2.22	866.4	Low
09-May-89	15/3	KIDNEY	18.7	0.52	203.8	
09-May-89	15/3	HEART	9.4	0.26	102.4	Low
09-May-89	15/3	BRAIN	9.2	0.26	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.38	0.011	4.17	
09-May-89	15/3	TESTIS	5.76	0.160	62.67	Low
09-May-89	15/3	SPLEEN	2.3	0.06	24.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 8801CH
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 33

SUB-ACUTE/

Animal: 89F00149 Sex: Male Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.49

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	115.5	3.31	1308.8	Low
09-May-89	15/3	KIDNEY	21.2	0.61	240.0	High
09-May-89	15/3	HEART	9.4	0.27	106.5	Low
09-May-89	15/3	BRAIN	8.8	0.25	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.74	0.021	8.34	
09-May-89	15/3	TESTIS	7.21	0.207	81.66	Low
09-May-89	15/3	SPLEEN	3.6	0.10	40.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LIVER	DISSEMINATED FOCI, Mild	DIA. AND CAUDATE LOBES MULTIPLE 1 X 2 CM

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	NECROSIS, COAGUALTIVE, PARENCHYMAL \, Moderate, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00177 Sex: Male Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.78

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	126.4	3.34	1206.9	Low
17-May-89	23/4	KIDNEY	22.5	0.60	214.9	High
17-May-89	23/4	HEART	9.7	0.26	92.4	Low
17-May-89	23/4	BRAIN	10.5	0.28	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.52	0.014	4.96	
17-May-89	23/4	TESTIS	6.37	0.168	60.77	Low
17-May-89	23/4	SPLEEN	3.7	0.10	35.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
KIDNEY	INFARCT, Mild	RIGHT KIDNEY POSTERIOR POLE, 1 X 1 CM, ACUTE

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
KIDNEY	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF LES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 35

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00263 Sex: Male Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.43

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	43.4	1.79	512.1	Low
31-May-89	37/6	KIDNEY	18.7	0.77	220.4	High
31-May-89	37/6	HEART	6.9	0.29	81.8	
31-May-89	37/6	BRAIN	8.5	0.35	100.0	Low
31-May-89	37/6	ADRENAL GLANDS	0.50	0.021	5.94	
31-May-89	37/6	TESTIS	4.31	0.177	50.82	Low
31-May-89	37/6	SPLEEN	1.9	0.08	22.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	INFLAMMATION, Marked	VENTRAL MIDLINE, WITH EDEMA
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL, BILATERAL
VENA CAVA	THROMBUS, Moderate	AT LEVEL OF RENAL VEIN

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
LUNGS	VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Focal.
THYMUS	Required protocol tissue is missing.
ADRENAL GLANDS	NECROSIS, COAGULATIVE, CORTICAL, Severe, Focal.
SKELETAL MUSCLE	INFLAMMATION, AND SCARRING, CHRONIC, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 36

SUB-ACUTE/

Animal: 89F00263 Sex: Male Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.43

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SKIN	INFLAMMATION, CHRONIC ACTIVE, AND NECROSIS, SUBCUTIS, Marked.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 37

SUB-ACUTE/

Animal: 89F00115 Sex: Male Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 16 Status: Final sacrifice Terminal body weight (kms): 3.56

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	90.2	0.00	900.0	Low
09-May-89	15/3	KIDNEY	16.6	0.00	165.7	Low
09-May-89	15/3	HEART	8.9	0.00	88.8	Low
09-May-89	15/3	BRAIN	10.0	0.00	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.37	0.000	3.73	Low
09-May-89	15/3	TESTIS	4.47	0.000	44.63	Low
09-May-89	15/3	SPLEEN	2.0	0.00	19.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
SKELETAL MUSCLE	DEEP TO RIGHT GASTROCNEMIUS MUSCLE: 15CC POCKET OF CLEAR FLUID.

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYMUS	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010K

PRINTED: 27-Oct-89
Page: 38

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00137 Sex: Male Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.86

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	92.5	2.39	1016.8	Low
09-May-89	15/3	KIDNEY	18.1	0.47	198.7	
09-May-89	15/3	HEART	8.1	0.21	88.6	Low
09-May-89	15/3	BRAIN	9.1	0.24	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.44	0.011	4.84	
09-May-89	15/3	TESTIS	4.55	0.118	50.03	Low
09-May-89	15/3	SPLEEN	1.5	0.04	16.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 39
SUB-ACUTE/

Animal: 89F00171 Sex: Male Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.22

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	92.0	2.85	885.6	Low
17-May-89	23/4	KIDNEY	21.0	0.65	202.2	High
17-May-89	23/4	HEART	8.3	0.26	79.8	Low
17-May-89	23/4	BRAIN	10.4	0.32	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.85	0.026	8.17	High
17-May-89	23/4	TESTIS	4.85	0.150	46.70	Low
17-May-89	23/4	SPLEEN	3.5	0.11	33.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
EYES & OPTIC N.	HEMORRHAGE, RETROBULBAR, Mild	OS
URINARY BLADDER	ABNORMAL URINE, Moderate	HEMATURIA

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
URETER	Required protocol tissue is missing.
STOMACH	ULCERATION AND INFLAMMATION, MUCOSA, ACUTE, Slight.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00164 Sex: Male Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.04

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	119.4	3.93	1197.8	
17-May-89	23/4	KIDNEY	22.1	0.73	221.4	High
17-May-89	23/4	HEART	7.8	0.26	77.9	Low
17-May-89	23/4	BRAIN	10.0	0.33	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.64	0.021	6.44	
17-May-89	23/4	TESTIS	5.54	0.182	55.56	Low
17-May-89	23/4	SPLEEN	51.5	1.70	516.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LIVER	LIPIDOSIS, Trace	DIFFUSE
STOMACH	ULCER, Mild	FOCAL

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 41

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00264 Sex: Male Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.97

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	115.2	3.88	1291.5	
31-May-89	37/6	KIDNEY	18.8	0.63	210.3	High
31-May-89	37/6	HEART	9.2	0.31	103.0	
31-May-89	37/6	BRAIN	8.9	0.30	100.0	Low
31-May-89	37/6	ADRENAL GLANDS	0.38	0.013	4.20	
31-May-89	37/6	TESTIS	3.38	0.114	37.91	Low
31-May-89	37/6	SPLEEN	4.2	0.14	47.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Trace	MULTIFOCAL

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
PARATHYROID	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal. VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Moderate, Focal.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00125 Sex: Male Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.65

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	86.0	2.36	887.2	Low
09-May-89	15/3	KIDNEY	14.7	0.40	151.5	
09-May-89	15/3	HEART	8.0	0.22	83.0	Low
09-May-89	15/3	BRAIN	9.7	0.27	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.52	0.014	5.36	
09-May-89	15/3	TESTIS	5.90	0.162	60.83	Low
09-May-89	15/3	SPLEEN	2.3	0.06	24.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SKIN	GRANULATION TISSUE, WITH CYST FORMATION, SUBCUTIS, Marked, Diffuse.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE;

Animal: 89F00145 Sex: Male Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.30

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	124.0	3.76	1135.8	
09-May-89	15/3	KIDNEY	22.3	0.68	204.7	High
09-May-89	15/3	HEART	9.3	0.28	85.1	
09-May-89	15/3	BRAIN	10.9	0.33	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.62	0.019	5.70	
09-May-89	15/3	TESTIS	5.88	0.178	53.86	Low
09-May-89	15/3	SPLEEN	2.1	0.06	19.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	HEMORRHAGE, INTRA-ALVEOLAR, ACUTE, Marked, Multifocal.
SKIN	NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS, Mild, Focal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 44

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00158 Sex: Male Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 14 Status: FOUND DEAD Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status

No organ weight data for animal

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments

No gross observations recorded on animal.

<< Necropsy Memos >>

Tissue	Necropsy memos
WHOLE BODY	AUTOLYTIC

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LUNGS	HEMORRHAGE, INTRA-ALVEOLAR, ACUTE, Moderate, Multifocal.
LIVER	INFLAMMATION, PERIPORTAL, SUBACUTE, Mild, Multifocal. BACTERIAL EMBOLI, Present.
KIDNEY	NECROSIS, TUBULAR, COAGUALTIVE, Marked, Multifocal. BACTERIAL EMBOLI IN URINIFEROUS SPACE, Present. THROMBOSIS AND INFARCTION, PARENCHYMA, Marked, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 45

Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00165 Sex: Male Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.45

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	123.7	3.59	1321.6	
17-May-89	23/4	KIDNEY	20.9	0.61	223.7	High
17-May-89	23/4	HEART	10.3	0.30	110.1	
17-May-89	23/4	BRAIN	9.4	0.27	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.41	0.012	4.39	
17-May-89	23/4	TESTIS	5.02	0.146	53.60	Low
17-May-89	23/4	SPLEEN	3.0	0.09	32.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 46

SUB-ACUTE/

Animal: 89F00266 Sex: Male Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 7 Status: FOUND DEAD Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status

No organ weight data for animal

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments

No gross observations recorded on animal.

<< Necropsy Memos >>

Tissue	Necropsy memos
WHOLE BODY	AUTOLYTIC

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PARATHYROID	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal. INFARCT, VASCULAR, CHRONIC, Moderate, Multifocal. BACTERIAL EMBOLI, INTRAVASCULAR, Present.
LIVER	NECROSIS, COAGUALTIVE, PARENCHYMAL \, Moderate, Multifocal. BACTERIAL EMBOLI, Present.
DIAPHRAGM	DEGENERATION AND MINERALIZATION, CHRONIC, Moderate, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 47
SUB-ACUTE/

Animal: 89F00121 Sex: Male Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.78

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	128.7	3.40	1394.1	
09-May-89	15/3	KIDNEY	20.7	0.55	223.9	
09-May-89	15/3	HEART	9.4	0.25	101.3	Low
09-May-89	15/3	BRAIN	9.2	0.24	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.33	0.009	3.54	
09-May-89	15/3	TESTIS	4.41	0.116	47.73	Low
09-May-89	15/3	SPLEEN	2.8	0.07	30.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Trace	2 CM AROUND CATHETER RIGHT THIGH

<< Necropsy Memos >>

Tissue	Necropsy memos
WHOLE BODY	AUTOLYTIC

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 48
SUB-ACUTE/

Animal: 89F00139 Sex: Male Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.56

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	139.8	3.92	1386.2	
09-May-89	15/3	KIDNEY	19.2	0.54	190.8	
09-May-89	15/3	HEART	9.9	0.28	98.5	Low
09-May-89	15/3	BRAIN	10.1	0.28	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.44	0.012	4.33	
09-May-89	15/3	TESTIS	6.62	0.186	65.69	Low
09-May-89	15/3	SPLEEN	1.5	0.04	15.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PARATHYROID	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
SKIN	NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS, Moderate, Focal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88015M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00151 Sex: Male Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.79

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	95.6	3.43	988.6	
09-May-89	15/3	KIDNEY	14.6	0.52	151.4	
09-May-89	15/3	HEART	9.0	0.32	93.4	
09-May-89	15/3	BRAIN	9.7	0.35	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.43	0.015	4.46	
09-May-89	15/3	TESTIS	4.46	0.160	46.15	Low
09-May-89	15/3	SPLEEN	4.6	0.16	47.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	PETECHIAE, Mild	DIFFUSE

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, PERIPORTAL, SUBACUTE, Moderate, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 50

SUB-ACUTE/

Animal: 89F00156 Sex: Male Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 4.05

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	131.7	3.25	1462.7	Low
09-May-89	15/3	KIDNEY	20.6	0.51	228.3	
09-May-89	15/3	HEART	12.4	0.31	137.2	
09-May-89	15/3	BRAIN	9.0	0.22	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.47	0.012	5.19	
09-May-89	15/3	TESTIS	7.26	0.179	80.61	Low
09-May-89	15/3	SPLEEN	5.4	0.13	60.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	ULCER, Moderate	SCROTUM
	FOCAL THICKENING, Marked	SUBCUTANEOUS INFLAMMATION LEFT THIGH

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
SKIN	NECROSIS AND ACUTE INFLAMMATION, EPIDERMIS, Moderate, Focal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

PRINTED: 27-Oct-89
Page: 51

Study Start Date: 25-Apr-89 SUB-ACUTE/

Animal: 89F00267 Sex: Male Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.64

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
31-May-89	37/6	LIVER	101.5	3.84	873.5	
31-May-89	37/6	KIDNEY	22.2	0.84	190.6	High
31-May-89	37/6	HEART	9.0	0.34	77.1	
31-May-89	37/6	BRAIN	11.6	0.44	100.0	Low
31-May-89	37/6	ADRENAL GLANDS	0.30	0.011	2.61	
31-May-89	37/6	TESTIS	3.64	0.138	31.35	Low
31-May-89	37/6	SPLEEN	2.1	0.08	17.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Mild	SUBCUTIS INTERMANDIBULAR SPACE
LUNGS	HEMORRHAGE(S), Trace	MULTIFOCAL
	CONGESTION, Mild	DIFFUSE
HEART	THROMBUS, Mild	ATTACHED IN RIGHT VENTRICLE
VENA CAVA	THROMBUS, Moderate	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LAC. GLD.	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
KIDNEY	DILATION, TUBULAR LUMENA, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

Animal: 89F00267 Sex: Male Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.64

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SKIN	EDEMA, SUBCUTIS, ACUTE, Moderate, Diffuse.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Severe, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Severe, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00124 Sex: Male Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.45

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	95.2	2.76	957.9	Low
09-May-89	15/3	KIDNEY	19.2	0.56	193.4	
09-May-89	15/3	HEART	9.5	0.27	95.2	Low
09-May-89	15/3	BRAIN	9.9	0.29	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.60	0.017	5.98	
09-May-89	15/3	TESTIS	5.40	0.156	54.32	Low
09-May-89	15/3	SPLEEN	2.9	0.08	28.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
PITUITARY GLAND	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

SUB-ACUTE/

Animal: 89F00142 Sex: Male Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.58

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	160.8	4.49	1614.9	High
09-May-89	15/3	KIDNEY	19.5	0.55	196.1	
09-May-89	15/3	HEART	10.5	0.29	105.8	
09-May-89	15/3	BRAIN	10.0	0.28	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.59	0.016	5.90	
09-May-89	15/3	TESTIS	4.93	0.138	49.52	Low
09-May-89	15/3	SPLEEN	2.8	0.08	27.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Moderate, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MESEN.LYMPH NODE	Required protocol tissue is missing.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 55
SUB-ACUTE/

Animal: 89F00168 Sex: Male Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.11

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	98.1	3.15	1093.3	Low
09-May-89	15/3	KIDNEY	17.4	0.56	193.8	
09-May-89	15/3	HEART	8.6	0.28	95.9	Low
09-May-89	15/3	BRAIN	9.0	0.29	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.74	0.024	8.21	
09-May-89	15/3	TESTIS	5.20	0.167	57.99	Low
09-May-89	15/3	SPLEEN	2.6	0.08	28.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M
Study Start Date: 25-Apr-89

PRINTED: 27-Oct-89
Page: 56

SUB-ACUTE/

Animal: 89F00136 Sex: Male Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.15

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
09-May-89	15/3	LIVER	110.0	3.49	1096.9	
09-May-89	15/3	KIDNEY	20.7	0.66	206.5	High
09-May-89	15/3	HEART	8.7	0.27	86.3	Low
09-May-89	15/3	BRAIN	10.0	0.32	100.0	Low
09-May-89	15/3	ADRENAL GLANDS	0.56	0.018	5.59	
09-May-89	15/3	TESTIS	5.65	0.180	56.37	Low
09-May-89	15/3	SPLEEN	2.3	0.07	22.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross free-text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010M

Study Start Date: 25-Apr-89 SUB-ACUTE/

Animal: 89F00175 Sex: Male Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.31

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
17-May-89	23/4	LIVER	92.5	2.79	1017.8	Low
17-May-89	23/4	KIDNEY	20.1	0.61	221.0	High
17-May-89	23/4	HEART	8.5	0.26	93.0	Low
17-May-89	23/4	BRAIN	9.1	0.27	100.0	Low
17-May-89	23/4	ADRENAL GLANDS	0.50	0.015	5.54	
17-May-89	23/4	TESTIS	5.91	0.178	65.00	Low
17-May-89	23/4	SPLEEN	3.3	0.10	36.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, PERIPORTAL, SUBACUTE, Slight, Multifocal.
MAMMARY GLAND	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 1
SUB-ACUTE/

Animal: 89F00339 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.34

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	153.7	4.61	1609.9	High
13-Jun-89	15/3	KIDNEY	18.6	0.56	194.9	
13-Jun-89	15/3	HEART	8.1	0.24	85.0	Low
13-Jun-89	15/3	BRAIN	9.5	0.29	100.0	Low
13-Jun-89	15/3	OVARIES	0.49	0.015	5.17	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.38	0.012	4.02	
13-Jun-89	15/3	SPLEEN	2.0	0.06	21.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
TRACHEA	CYST, Mild	MULTIFOCAL IN ADVENTITIA
OVARIES	PARA-OVARIAN CYST(S), Trace	
SKIN	INFLAMMATION, Marked	AROUND CATHETER
LIVER	CYST(S), Trace	CAPSULE
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
OVARIES	PARA-OVARIAN CYST, Mild, Focal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00339 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.34

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue	Histopathologic diagnoses / Special histological comments
SKIN	EDEMA, SUBCUTIS, Moderate, Diffuse. INFLAMMATION, CHRONIC-ACTIVE, Mild, Diffuse.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV CP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 3

SUB-ACUTE/

Animal: 89F00338 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.61

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	102.6	2.84	1006.3	Low
13-Jun-89	15/3	KIDNEY	17.1	0.47	167.8	
13-Jun-89	15/3	HEART	9.4	0.26	92.5	Low
13-Jun-89	15/3	BRAIN	10.2	0.28	100.0	Low
13-Jun-89	15/3	OVARIES	0.40	0.011	3.87	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.39	0.011	3.84	
13-Jun-89	15/3	SPLEEN	5.6	0.16	55.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LIP	ULCER, Mild	INFLAMMATION
OVARIES	PARA-OVARIAN CYST(S), Mild	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
SPINAL CORD	INFLAMMATION, SUBACUTE, Mild, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Moderate, Multifocal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Mild, Multifocal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 4

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00338 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.61

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue	Histopathologic diagnoses / Special histological comments
OVARIES	PARA-OVARIAN CYST, Mild, Focal.
ADRENAL GLANDS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 5

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00352 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.54

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	147.2	4.16	1561.1	
14-Jun-89	16/3	KIDNEY	18.7	0.53	197.8	
14-Jun-89	16/3	HEART	9.0	0.25	95.7	Low
14-Jun-89	16/3	BRAIN	9.4	0.27	100.0	Low
14-Jun-89	16/3	OVARIES	0.27	0.007	2.81	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.41	0.012	4.33	
14-Jun-89	16/3	SPLEEN	2.9	0.08	31.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Trace	MULTIFOCAL, BROWN

<< Necropsy Memos >>

Tissue	Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments

All protocol required tissues normal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00369 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	107.1	-----	1071.4	
20-Jun-89	22/4	KIDNEY	18.8	-----	188.4	
20-Jun-89	22/4	HEART	8.2	-----	82.1	
20-Jun-89	22/4	BRAIN	10.0	-----	100.0	
20-Jun-89	22/4	OVARIES	0.49	-----	4.86	
20-Jun-89	22/4	ADRENAL GLANDS	0.54	-----	5.35	
20-Jun-89	22/4	SPLEEN	2.3	-----	23.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	ULCER, Moderate	NECK
LUNGS	HEMORRHAGE(S), Trace	BROWN
VENA CAVA	THROMBUS, Moderate	ON CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, PERIVASCULAR, ACUTE, Slight, Multifocal.
DIAPHRAGM	Required protocol tissue is missing.
SKIN	EDEMA, SUBCUTIS, Mild, Diffuse. NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS, Moderate, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

Animal: 89F00377 Sex: Female Group: 1 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: final sacrifice Terminal body weight (kms): 3.58

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	87.4	2.44	913.1	Low
21-Jun-89	23/4	KIDNEY	17.1	0.48	178.4	
21-Jun-89	23/4	HEART	8.8	0.24	91.4	Low
21-Jun-89	23/4	BRAIN	9.6	0.27	100.0	Low
21-Jun-89	23/4	OVARIES	0.27	0.007	2.79	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.28	0.008	2.96	
21-Jun-89	23/4	SPLEEN	4.0	0.11	42.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Trace	MULTIFOCAL
VENA CAVA	THROMBUS, Mild	ON CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Slight, Focal. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 8
SUB-ACUTE/

Animal: 89F00337 Sex: Female Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.05

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	117.0	3.84	1268.1	
13-Jun-89	15/3	KIDNEY	16.3	0.54	176.7	
13-Jun-89	15/3	HEART	6.8	0.22	74.2	Low
13-Jun-89	15/3	BRAIN	9.2	0.30	100.0	Low
13-Jun-89	15/3	OVARIES	0.72	0.024	7.77	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.41	0.013	4.39	
13-Jun-89	15/3	SPLEEN	2.0	0.07	21.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Mild	INTERMANDIBULAR SPACE
VENA CAVA	THROMBUS, Moderate	TIP OF CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	NECROSIS AND CHRONIC-ACTIVE CELLULITIS, Moderate, Multifocal. HEMORRHAGE AND EDEMA, ACUTE, Moderate, Diffuse.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 9

SUB-ACUTE/

Animal: 89F00391 Sex: Female Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.15

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	117.7	3.73	1297.7	
14-Jun-89	16/3	KIDNEY	17.2	0.55	189.6	
14-Jun-89	16/3	HEART	8.5	0.27	93.5	Low
14-Jun-89	16/3	BRAIN	9.1	0.29	100.0	Low
14-Jun-89	16/3	OVARIES	0.23	0.007	2.58	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.44	0.014	4.89	
14-Jun-89	16/3	SPLEEN	7.9	0.25	87.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Trace	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Moderate, Diffuse. INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Multifocal.
DIAPHRAGM	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 10
SUB-ACUTE/

Animal: 89F00358 Sex: Female Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.78

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	95.8	3.45	964.5	
14-Jun-89	16/3	KIDNEY	14.9	0.54	149.8	
14-Jun-89	16/3	HEART	7.6	0.27	76.1	Low
14-Jun-89	16/3	BRAIN	9.9	0.36	100.0	Low
14-Jun-89	16/3	OVARIES	0.32	0.011	3.18	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.33	0.012	3.30	
14-Jun-89	16/3	SPLEEN	1.8	0.06	18.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
URINARY BLADDER	ABNORMAL URINE	ORANGE-YELLOW, CLOUDY
VENA CAVA	THROMBUS, Mild	ON CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Mild, Diffuse. INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 11

SUB-ACUTE/

Animal: 89F00371 Sex: Female Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	96.7	-----	986.7	
20-Jun-89	22/4	KIDNEY	16.4	-----	167.4	
20-Jun-89	22/4	HEART	5.6	-----	56.9	
20-Jun-89	22/4	BRAIN	9.8	-----	100.0	
20-Jun-89	22/4	OVARIES	0.21	-----	2.14	
20-Jun-89	22/4	ADRENAL GLANDS	0.51	-----	5.25	
20-Jun-89	22/4	SPLEEN	2.7	-----	27.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LIVER	LIPIDOSIS, Trace	MEDIAL LOBE
CECUM	LUMINAL CONTENTS BLOODY	FILLED WITH RED-BROWN FLUID
GUT LYMPH TISSUE	CLOT	ON SURFACE
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL
KIDNEY	HEMORRHAGE(S), Mild	MEDULLA
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal. INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 12

SUB-ACUTE/

Animal: 89F00371 Sex: Female Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): -----

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Moderate, Focal.
HEART	INFLAMMATION, INTERSTITIAL, ACUTE, WITH BACTERIA, Moderate, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Moderate, Diffuse.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Multifocal. VACUOLATED TUBULAR EPITHELIUM, Slight, Multifocal.
DIAPHRAGM	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
EYES & OPTIC N.	INFLAMMATION, SUBACUTE, CHOROID, Slight, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010f
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 13
SUB-ACUTE/

Animal: 89F00389 Sex: Female Group: 2 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.57

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	166.2	4.66	1627.8	High
21-Jun-89	23/4	KIDNEY	17.8	0.50	195.6	
21-Jun-89	23/4	HEART	9.4	0.26	103.0	Low
21-Jun-89	23/4	BRAIN	9.1	0.25	100.0	Low
21-Jun-89	23/4	OVARIES	0.68	0.019	7.50	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.51	0.014	5.62	
21-Jun-89	23/4	SPLEEN	7.3	0.20	80.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Moderate	UNDER CHIN
LUNGS	HEMORRHAGE(S), Trace	MULTIFOCAL
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
SKIN	EDEMA, SUBCUTIS, Mild, Diffuse. VASCULITIS, SUBACUTE, DERMIS, Mild, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 14

SUB-ACUTE/

Animal: 89F00348 Sex: Female Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.12

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	139.1	4.47	1479.9	High
13-Jun-89	15/3	KIDNEY	17.3	0.55	183.5	
13-Jun-89	15/3	HEART	9.3	0.30	98.9	
13-Jun-89	15/3	BRAIN	9.4	0.30	100.0	Low
13-Jun-89	15/3	OVARIES	0.33	0.011	3.50	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.36	0.012	3.83	
13-Jun-89	15/3	SPLEEN	1.2	0.04	13.2	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	ALVEOLAR HISTIOCYTOSIS, Slight, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Severe, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Marked, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 15

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00355 Sex: Female Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.33

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	119.9	3.60	1245.6	
14-Jun-89	16/3	KIDNEY	19.3	0.58	200.7	High
14-Jun-89	16/3	HEART	7.5	0.23	78.2	Low
14-Jun-89	16/3	BRAIN	9.6	0.29	100.0	Low
14-Jun-89	16/3	OVARIES	0.29	0.009	2.96	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.38	0.011	3.95	
14-Jun-89	16/3	SPLEEN	2.0	0.06	20.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EROSION, Trace	INTERMANDIBULAR, SKIN
VENA CAVA	THROMBUS, Moderate	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Focal. INFLAMMATION, GRANULOMATOUS, Mild, Multifocal.
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Mild, Multifocal. VACUOLATED TUBULAR EPITHELIUM, Mild, Multifocal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 16

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00355 Sex: Female Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.33

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
DIAPHRAGM	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Focal.
SKIN	INFLAMMATION, CHRONIC-ACTIVE, Moderate, Diffuse. NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS, Mild, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 17

SUB-ACUTE/

Animal: 89F00370 Sex: Female Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	132.5	-----	1278.9	
20-Jun-89	22/4	KIDNEY	19.9	-----	191.7	
20-Jun-89	22/4	HEART	8.9	-----	85.7	
20-Jun-89	22/4	BRAIN	10.4	-----	100.0	
20-Jun-89	22/4	OVARIES	0.31	-----	3.03	
20-Jun-89	22/4	ADRENAL GLANDS	0.41	-----	3.96	
20-Jun-89	22/4	SPLEEN	2.0	-----	19.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EROSION, Moderate	NUMEROUS SCRATCHES ON BACK
	HEMATOMA, Moderate	LEFT REAR LEG
LUNGS	HEMORRHAGE(S), Trace	BROWN

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
KIDNEY	VACUOLATED TUBULAR EPITHELIUM, Slight, Multifocal.
SKIN	EDEMA, SUBCUTIS, Marked, Diffuse.
	HEMORRHAGE, SUBCUTIS, Marked, Diffuse.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00368 Sex: Female Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.39

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Stat's
20-Jun-89	22/4	LIVER	159.2	4.70	1680.1	High
20-Jun-89	22/4	KIDNEY	13.7	0.41	144.9	
20-Jun-89	22/4	HEART	8.9	0.26	94.0	Low
20-Jun-89	22/4	BRAIN	9.5	0.28	100.0	Low
20-Jun-89	22/4	OVARIES	0.30	0.009	3.14	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.39	0.012	4.15	
20-Jun-89	22/4	SPLEEN	8.3	0.25	87.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL, BILATERAL
VENA CAVA	THROMBUS, Trace	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Multifocal. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 19
SUB-ACUTE/

Animal: 89F00383 Sex: Female Group: 3 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.51

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	105.9	4.22	1029.0	High
21-Jun-89	23/4	KIDNEY	16.2	0.65	157.5	High
21-Jun-89	23/4	HEART	9.0	0.36	87.0	
21-Jun-89	23/4	BRAIN	10.3	0.41	100.0	Low
21-Jun-89	23/4	OVARIES	0.21	0.008	2.02	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.40	0.016	3.91	
21-Jun-89	23/4	SPLEEN	2.1	0.08	20.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Mild	SUBCUTIS UNDER CHIN
LUNGS	CONGESTION, Trace	
VENA CAVA	THROMBUS, Trace	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	HEMORRHAGE AND EDEMA, ACUTE, Mild, Diffuse.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
MISCELLANEOUS	THROMBOSIS, CHRONIC, VENA CAVA, Slight, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00345 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.39

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	115.8	3.42	1231.1	
13-Jun-89	15/3	KIDNEY	18.6	0.55	197.8	
13-Jun-89	15/3	HEART	10.8	0.32	114.5	
13-Jun-89	15/3	BRAIN	9.4	0.28	100.0	Low
13-Jun-89	15/3	OVARIES	0.33	0.010	3.55	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.33	0.010	3.52	
13-Jun-89	15/3	SPLEEN	2.5	0.07	26.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 21

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00354 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.32

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	110.4	3.33	1209.4	Low
14-Jun-89	16/3	KIDNEY	16.4	0.50	180.0	
14-Jun-89	16/3	HEART	10.1	0.31	111.2	
14-Jun-89	16/3	BRAIN	9.1	0.28	100.0	Low
14-Jun-89	16/3	OVARIES	0.38	0.012	4.20	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.43	0.013	4.67	
14-Jun-89	16/3	SPLEEN	0.9	0.03	10.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	ON CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LUNGS	VASCULAR CONGESTION, ACUTE, Slight, Diffuse.
LIVER	CONGESTION, VASCULAR, ACUTE, Slight, Diffuse.
DIAPHRAGM	Required protocol tissue is missing.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Multifocal. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00374 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.14

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	118.1	3.76	1300.1	
20-Jun-89	22/4	KIDNEY	12.2	0.39	134.5	
20-Jun-89	22/4	HEART	8.8	0.28	96.8	
20-Jun-89	22/4	BRAIN	9.1	0.29	100.0	Low
20-Jun-89	22/4	OVARIES	0.19	0.006	2.06	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.46	0.015	5.09	
20-Jun-89	22/4	SPLEEN	2.7	0.09	29.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Mild, Multifocal.
CECUM	INFLAMMATION, MUCOSAL, SUBACUTE, Slight, Diffuse.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Slight, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 23

SUB-ACUTE/

Animal: 89F00374 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.14

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
MISCELLANEOUS	THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00387 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.38

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	99.3	2.94	1086.1	Low
21-Jun-89	23/4	KIDNEY	16.3	0.48	178.5	
21-Jun-89	23/4	HEART	7.6	0.23	83.5	Low
21-Jun-89	23/4	BRAIN	9.1	0.27	100.0	Low
21-Jun-89	23/4	OVARIES	0.50	0.015	5.42	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.50	0.015	5.43	
21-Jun-89	23/4	SPLEEN	3.1	0.09	33.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, GRANULOMATOUS, Slight, Multifocal.
SALIVARY GLAND	INFLAMMATION, INTERSTITIUM, CHRONIC, Mild, Diffuse.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Moderate, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
DIAPHRAGM	Required protocol tissue is missing.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89 SUB-ACUTE/

Animal: 89F00380 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.04

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	92.0	3.03	1030.6	Low
21-Jun-89	23/4	KIDNEY	18.6	0.61	208.1	High
21-Jun-89	23/4	HEART	105.5	3.47	1182.4	Exclude
21-Jun-89	23/4	BRAIN	8.9	0.29	100.0	Low
21-Jun-89	23/4	OVARIES	0.26	0.009	2.91	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.32	0.011	3.60	
21-Jun-89	23/4	SPLEEN	5.0	0.16	55.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross free-text Comments
SKIN	ULCER, Mild	FLANK
SALIVARY GLAND	HEMORRHAGE(S), Mild	PAROTID
KIDNEY	DISCOLORATION, Mild	DARK
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
KIDNEY	INFLAMMATION, ACUTE, RENAL PELVIS, Moderate, Diffuse.
URINARY BLADDER	INFLAMMATION, INTERSTITIAL-SUBMUCOSAL, SUBACUTE, Mild, Diffuse.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 26
SUB-ACUTE/

Animal: 89F00380 Sex: Female Group: 4 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.04

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SKIN	NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS, Moderate, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Marked, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 27

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00341 Sex: Female Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.05

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	110.9	3.64	1289.0	
13-Jun-89	15/3	KIDNEY	16.5	0.54	191.4	
13-Jun-89	15/3	HEART	8.0	0.26	92.5	Low
13-Jun-89	15/3	BRAIN	8.6	0.28	100.0	Low
13-Jun-89	15/3	OVARIES	0.19	0.006	2.22	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.44	0.014	5.08	
13-Jun-89	15/3	SPLEEN	1.8	0.06	20.6	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	INFLAMMATION, INTERSTITIUM, CHRONIC, Slight, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, ACUTE, Mild, Diffuse.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
SKELETAL MUSCLE	INFLAMMATION, INTERSTITITUM/ADVENTITIA, CHRONIC, Mild, Multifocal.
SKIN	Required protocol tissue is missing.
MAMMARY GLANDS	Required protocol tissue is missing.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89 SUB-ACUTE/

Animal: 89F00347 Sex: Female Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.37

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	103.8	3.08	1009.5	Low
13-Jun-89	15/3	KIDNEY	19.4	0.58	188.9	High
13-Jun-89	15/3	HEART	7.9	0.24	77.3	Low
13-Jun-89	15/3	BRAIN	10.3	0.31	100.0	Low
13-Jun-89	15/3	OVARIES	0.32	0.010	3.15	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.40	0.012	3.92	
13-Jun-89	15/3	SPLEEN	2.1	0.06	20.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL, BROWN
VENA CAVA	THROMBUS, Trace	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal. INFLAMMATION, GRANULOMATOUS, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal. VASCULAR CONGESTION, ACUTE, Mild, Diffuse.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 29

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00360 Sex: Female Group: 5 Dose Level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.23

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	89.3	2.77	976.6	Low
14-Jun-89	16/3	KIDNEY	16.5	0.51	180.9	
14-Jun-89	16/3	HEART	9.0	0.28	98.4	Low
14-Jun-89	16/3	BRAIN	9.1	0.28	100.0	Low
14-Jun-89	16/3	OVARIES	0.76	0.024	8.34	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.35	0.011	3.77	
14-Jun-89	16/3	SPLEEN	49.9	1.54	545.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-text Comments
SKIN	EROSION, Mild	NECK
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL, BROWN
VERTEBRAL BODY	FRACTURE	TRANSVERSE PROCESS. L 4,5,6

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SKIN	EDEMA, SUBCUTIS, Moderate, Diffuse. NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00375 Sex: Female Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.20

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	86.3	2.70	524.9	Low
20-Jun-89	22/4	KIDNEY	17.0	0.53	103.5	
20-Jun-89	22/4	HEART	8.9	0.28	54.0	Low
20-Jun-89	22/4	BRAIN	16.5	0.51	100.0	
20-Jun-89	22/4	OVARIES	0.25	0.008	1.52	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.38	0.012	2.29	
20-Jun-89	22/4	SPLEEN	2.7	0.09	16.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Trace	FOCAL
VENA CAVA	THROMBUS, Mild	ON CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 31

SUB-ACUTE/

Animal: 89F00394 Sex: Female Group: 5 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.75

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	113.0	3.02	1136.7	Low
21-Jun-89	23/4	KIDNEY	18.4	0.49	184.9	
21-Jun-89	23/4	HEART	8.1	0.22	81.6	Low
21-Jun-89	23/4	BRAIN	9.9	0.27	100.0	Low
21-Jun-89	23/4	OVARIES	0.57	0.015	5.71	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.44	0.012	4.41	
21-Jun-89	23/4	SPLEEN	3.9	0.10	39.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Mild, Multifocal. INFLAMMATION, GRANULOMATOUS, Slight, Multifocal.
LUNGS	[illegible], INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
KIDNEY	[illegible] DILATED TUBULAR EPITHELIUM, Moderate, Focal.

Zaucha et al.--901

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00343 Sex: Female Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.42

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	151.1	4.42	1706.3	High
13-Jun-89	15/3	KIDNEY	17.3	0.51	195.4	
13-Jun-89	15/3	HEART	9.9	0.29	112.1	
13-Jun-89	15/3	BRAIN	8.9	0.26	100.0	Low
13-Jun-89	15/3	OVARIES	0.27	0.008	3.00	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.33	0.009	3.33	
13-Jun-89	15/3	SPLEEN	1.6	0.05	18.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
SKIN	Required protocol tissue is missing.
MAMMARY GLANDS	Required protocol tissue is missing.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Marked, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Marked, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 33

SUB-ACUTE/

Animal: 89F00357 Sex: Female Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.65

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	111.0	3.04	1102.8	Low
14-Jun-89	16/3	KIDNEY	18.9	0.52	187.8	
14-Jun-89	16/3	HEART	11.9	0.33	118.5	
14-Jun-89	16/3	BRAIN	10.1	0.28	100.0	Low
14-Jun-89	16/3	OVARIES	0.36	0.010	3.56	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.36	0.010	3.56	
14-Jun-89	16/3	SPLEEN	2.2	0.06	21.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, ACUTE, Slight, Multifocal.
DIAPHRAGM	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00362 Sex: Female Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.16

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	123.3	3.90	1257.8	
14-Jun-89	16/3	KIDNEY	14.7	0.47	150.0	
14-Jun-89	16/3	HEART	11.2	0.35	113.7	
14-Jun-89	16/3	BRAIN	9.8	0.31	100.0	Low
14-Jun-89	16/3	OVARIES	0.37	0.012	3.77	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.35	0.011	3.58	
14-Jun-89	16/3	SPLEEN	2.6	0.08	26.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross free-text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
DIAPHRAGM	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 35

SUB-ACUTE/

Animal: 89F00363 Sex: Female Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 2 Status: FOUND DEAD Terminal body weight (kms): -----

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status

No organ weight data for animal

<< Gross Observations >>

Tissue	Finding, severity	Gross free-text Comments

No gross observations recorded on animal.

<< Necropsy Memos >>

Tissue	Necropsy memos

No necropsy memos recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal. INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Severe, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00379 Sex: Female Group: 6 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: final sacrifice Terminal body weight (kms): 2.76

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	96.0	3.47	1010.8	
21-Jun-89	23/4	KIDNEY	14.5	0.53	152.9	
21-Jun-89	23/4	HEART	7.5	0.27	79.5	Low
21-Jun-89	23/4	BRAIN	9.5	0.34	100.0	Low
21-Jun-89	23/4	OVARIES	0.37	0.014	3.94	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.38	0.014	4.02	
21-Jun-89	23/4	SPLEEN	2.2	0.08	22.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
STOMACH	TRICHOBEZOAR, Mild	
FALLOPIAN TUBE	CYST, Mild	MULTIFOCAL

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal. INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Severe, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 37

SUB-ACUTE/

Animal: 89F00344 Sex: Female Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.74

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	126.7	3.38	1212.9	Low
13-Jun-89	15/3	KIDNEY	16.4	0.44	156.6	
13-Jun-89	15/3	HEART	9.5	0.25	91.2	Low
13-Jun-89	15/3	BRAIN	10.4	0.28	100.0	Low
13-Jun-89	15/3	OVARIES	0.32	0.009	3.07	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.21	0.005	1.96	Low
13-Jun-89	15/3	SPLEEN	2.4	0.06	23.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	
LUNGS	HEMORRHAGE(S), Moderate	MULTIFOCAL
	PNEUMONIA, Mild	ACUTE

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Moderate, Multifocal.
LIVER	HEMORRHAGE, ACUTE, Mild, Focal.
SKIN	INFLAMMATION, CHRONIC-ACTIVE, Slight, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse.
	THROMBOSIS, CHRONIC, VENA CAVA, Marked, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 38

RABBIT/NEW ZEALAND WHITE — Study Start Date: 30-May-89 — SUB-ACUTE/

Animal: 89F00353 — Sex: Female — Group: 7 — Dose level: 8.0 ML/KG/day
Day of death: 15 — Status: Final sacrifice — Terminal body weight (kms): 3.82

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	136.3	3.57	1548.2	
14-Jun-89	16/3	KIDNEY	15.0	0.39	170.7	
14-Jun-89	16/3	HEART	7.5	0.20	85.6	Low
14-Jun-89	16/3	BRAIN	8.8	0.23	100.0	Low
14-Jun-89	16/3	OVARIES	0.52	0.014	5.86	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.45	0.012	5.11	
14-Jun-89	16/3	SPLEEN	1.7	0.04	18.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Moderate	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SCIATIC NERVE	INFLAMMATION, PERINEURAL FAT, ACUTE, Mild, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Focal.
LIVER	CONGESTION, VASCULAR, ACUTE, Mild, Diffuse.
KIDNEY	VACUOLATED TUBULAR EPITHELIUM, Slight, Multifocal.
SKIN	INFLAMMATION, CHRONIC-ACTIVE, Slight, Diffuse.
GUT-LYMPHOID TIS	Required protocol tissue not examined.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 39

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00353 Sex: Female Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.82

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Marked, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 40

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00372 Sex: Female Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.34

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	118.7	3.55	1164.0	
20-Jun-89	22/4	KIDNEY	24.5	0.73	240.0	High
20-Jun-89	22/4	HEART	16.6	0.50	162.8	
20-Jun-89	22/4	BRAIN	10.2	0.31	100.0	Low
20-Jun-89	22/4	OVARIES	0.35	0.011	3.45	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.33	0.010	3.28	
20-Jun-89	22/4	SPLEEN	3.5	0.11	34.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LIP	INFLAMMATION, Moderate	COMMISSURES
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal. INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS, Slight, Multifocal.
SKIN	INFLAMMATION, CHRONIC-ACTIVE, Marked, Diffuse. NECROSIS, AND ACUTE INFLAMMATION, EPIDERMIS, Moderate, Focal.
MISCELLANEOUS	THROMBOSIS, CHRONIC, VENA CAVA, Slight, Focal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

Animal: 89F00366 Sex: Female Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.52

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	143.2	4.07	1465.7	
20-Jun-89	22/4	KIDNEY	19.6	0.56	200.7	
20-Jun-89	22/4	HEART	9.2	0.26	93.9	Low
20-Jun-39	22/4	BRAIN	9.8	0.28	100.0	Low
20-Jun-89	22/4	OVARIES	0.26	0.007	2.67	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.65	0.018	6.62	
20-Jun-89	22/4	SPLEEN	4.6	0.13	47.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	ULCER, Marked	UNDER COLLAR, NECK
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal. INFLAMMATION, GRANULOMATOUS, Slight, Focal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
GALL BLADDER	EDEMA, MUCOSA, ACUTE, Slight, Diffuse.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 42
SUB-ACUTE/

Animal: 89F00366 Sex: Female Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.52

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Diffuse.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Multifocal. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal. INFLAMMATION, CHRONIC-ACTIVE, LIP, Marked, Diffuse.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 43

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00390 Sex: Female Group: 7 Dose level: 8.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.42

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	120.2	3.52	1242.0	
21-Jun-89	23/4	KIDNEY	17.5	0.51	181.1	
21-Jun-89	23/4	HEART	9.5	0.28	98.0	Low
21-Jun-89	23/4	BRAIN	9.7	0.28	100.0	Low
21-Jun-89	23/4	OVARIES	0.44	0.013	4.51	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.51	0.015	5.22	
21-Jun-89	23/4	SPLEEN	5.6	0.16	58.1	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SKIN	EDEMA, Mild	UNDER CHIN

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	INFLAMMATION, INTERSTITIAL, SUBACUTE, Moderate, Diffuse.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Moderate, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Moderate, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Zaucha et al.--913

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 44
SUB-ACUTE/

Animal: 89F00346 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.14

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	106.9	3.40	1133.9	
13-Jun-89	15/3	KIDNEY	14.8	0.47	156.8	
13-Jun-89	15/3	HEART	8.9	0.28	94.9	
13-Jun-89	15/3	BRAIN	9.4	0.30	100.0	Low
13-Jun-89	15/3	OVARIES	0.26	0.008	2.76	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.40	0.013	4.25	
13-Jun-89	15/3	SPLEEN	2.0	0.06	20.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AT THE CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
MAMMARY GLANDS	NECROSIS, ACUTE, Slight, Focal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Focal. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 45

SUB-ACUTE/

Animal: 89F00359 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.90

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	101.6	3.50	1005.1	
14-Jun-89	16/3	KIDNEY	15.6	0.54	154.7	
14-Jun-89	16/3	HEART	7.7	0.27	76.5	Low
14-Jun-89	16/3	BRAIN	10.1	0.35	100.0	Low
14-Jun-89	16/3	OVARIES	0.60	0.021	5.92	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.50	0.017	4.93	
14-Jun-89	16/3	SPLEEN	2.2	0.08	21.8	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Specirl histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
KIDNEY	VACUOLATED TUBULAR EPITHELIUM, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 46

SUB-ACUTE/

Animal: 89F00365 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.30

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	149.0	4.51	1495.6	High
20-Jun-89	22/4	KIDNEY	23.9	0.72	240.3	High
20-Jun-89	22/4	HEART	8.9	0.27	89.0	Low
20-Jun-89	22/4	BRAIN	10.0	0.30	100.0	Low
20-Jun-89	22/4	OVARIES	2.26	0.068	22.71	High
20-Jun-89	22/4	ADRENAL GLANDS	0.73	0.022	7.30	
20-Jun-89	22/4	SPLEEN	6.3	0.19	62.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
KIDNEY	FRIBROUS SCAR(S), Mild	BILATERAL CORTEX
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal. INFLAMMATION, GRANULOMATOUS, Slight, Multifocal. INFLAMMATION, LEPTOMENINGES, SUBACUTE, Mild, Multifocal.
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Mild, Multifocal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 47

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00365 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.30

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
KIDNEY	VACUOLATED TUBULAR EPITHELIUM, Moderate, Multifocal. NECROSIS, TUBULAR, ACUTE, Mild, Multifocal.
MISCELLANEOUS	THROMBOSIS, CHRONIC, VENA CAVA, Slight, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00392 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.82

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	107.6	3.82	1023.0	
21-Jun-89	23/4	KIDNEY	16.9	0.60	161.0	High
21-Jun-89	23/4	HEART	8.5	0.30	80.9	
21-Jun-89	23/4	BRAIN	10.5	0.37	100.0	Low
21-Jun-89	23/4	OVARIES	0.32	0.011	3.04	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.35	0.012	3.34	
21-Jun-89	23/4	SPLEEN	3.3	0.12	31.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SALIVARY GLAND	HEMORRHAGE(S), Mild	PAROTID
LUNGS	CONGESTION, Mild	
FALLOPIAN TUBE	CYST, Trace	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LAC. GLD.	HEMORRHAGE, ACUTE, Mild, Diffuse.
TRACHEA	CONGESTION, VASCULAR, ACUTE, Mild, Diffuse.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal. VASCULAR CONGESTION, ACUTE, Slight, Diffuse.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 49
SUB-ACUTE/

Animal: 89F00392 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 2.82

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.
KIDNEY	VACUOLATED TUBULAR EPITHELIUM, Mild, Multifocal. DILATED TUBULES, Slight, Multifocal.
DIAPHRAGM	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Slight, Multifocal. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00393 Sex: Female Group: 8 Dose level: 12.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.22

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	97.7	3.03	1057.1	Low
21-Jun-89	23/4	KIDNEY	14.5	0.45	156.4	
21-Jun-89	23/4	HEART	6.8	0.21	73.8	Low
21-Jun-89	23/4	BRAIN	9.2	0.29	100.0	Low
21-Jun-89	23/4	OVARIES	0.32	0.010	3.41	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.37	0.012	4.02	
21-Jun-89	23/4	SPLEEN	2.5	0.08	27.3	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	CONGESTION, Trace	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	NECROSIS AND CHRONIC-ACTIVE CELLULITIS, Slight, Focal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LUNGS	INFLAMMATION, PERIVASCULAR, ACUTE, Slight, Multifocal. VASCULAR CONGESTION, ACUTE, Slight, Diffuse.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
PANCREAS	Required protocol tissue is missing.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Slight, Focal. THROMBOSIS, CHRONIC, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 51

SUB-ACUTE/

Animal: 89F00349 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.05

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	104.5	3.43	1018.6	
13-Jun-89	15/3	KIDNEY	16.6	0.54	161.6	
13-Jun-89	15/3	HEART	7.0	0.23	67.9	Low
13-Jun-89	15/3	BRAIN	10.3	0.34	100.0	Low
13-Jun-89	15/3	OVARIES	0.18	0.006	1.74	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.42	0.014	4.11	
13-Jun-89	15/3	SPLEEN	2.1	0.07	20.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL, BROWN
VENA CAVA	THROMBUS, Trace	AROUND CATHETER
KIDNEY	HEMORRHAGE(S), Moderate	PERIRENAL

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Moderate, Diffuse. INFLAMMATION, GRANULOMATOUS, Moderate, Multifocal.
SCIATIC NERVE	INFLAMMATION, PERINEURAL FAT, ACUTE, Slight, Multifocal.
SPINAL CORD	INFLAMMATION, SUBACUTE, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal. HEMORRHAGE, INTRA-ALVEOLAR, ACUTE, Slight, Multifocal.

PATHOLOGY ANNEX (cont.)

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00349 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.05

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Marked, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Marked, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00340 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.54

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	123.0	3.48	1277.1	
13-Jun-89	15/3	KIDNEY	16.6	0.47	172.0	
13-Jun-89	15/3	HEART	9.9	0.28	103.0	
13-Jun-89	15/3	BRAIN	9.6	0.27	100.0	Low
13-Jun-89	15/3	OVARIES	0.47	0.013	4.83	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.30	0.008	3.06	
13-Jun-89	15/3	SPLEEN	3.3	0.09	34.0	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Moderate, Diffuse.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00356 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.32

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	115.7	3.49	1182.4	
14-Jun-89	16/3	KIDNEY	18.1	0.55	185.3	
14-Jun-89	16/3	HEART	8.1	0.25	83.2	Low
14-Jun-89	16/3	BRAIN	9.8	0.30	100.0	Low
14-Jun-89	16/3	OVARIES	0.34	0.010	3.49	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.36	0.011	3.72	
14-Jun-89	16/3	SPLEEN	2.1	0.06	21.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 55

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00367 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.50

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	136.8	3.91	1390.4	
20-Jun-89	22/4	KIDNEY	18.8	0.54	191.1	
20-Jun-89	22/4	HEART	6.3	0.18	64.2	Low
20-Jun-89	22/4	BRAIN	9.8	0.28	100.0	Low
20-Jun-89	22/4	OVARIES	0.26	0.007	2.62	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.48	0.014	4.87	
20-Jun-89	22/4	SPLEEN	2.3	0.07	23.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Mild, Multifocal. INFLAMMATION, GRANULOMATOUS, Slight, Multifocal.
SCIATIC NERVE	Required protocol tissue is missing.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.
KIDNEY	VACUOLATED TUBULAR EPITHELIUM, Slight, Multifocal.
SKELETAL MUSCLE	Required protocol tissue is missing.
MAMMARY GLANDS	Required protocol tissue is missing.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 56

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00367 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.50

<< P a t h o l o g y O b s e r v a t i o n s >>

Tissue	Histopathologic diagnoses / Special histological comments
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Mild, Focal.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89 SUB-ACUTE/

Animal: 89F00384 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.02

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	123.7	4.10	1423.2	
21-Jun-89	23/4	KIDNEY	18.4	0.61	211.1	High
21-Jun-89	23/4	HEART	9.2	0.31	105.9	
21-Jun-89	23/4	BRAIN	8.7	0.29	100.0	Low
21-Jun-89	23/4	OVARIES	0.32	0.011	3.65	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.46	0.015	5.25	
21-Jun-89	23/4	SPLEEN	5.7	0.19	65.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
SALIVARY GLAND	HEMORRHAGE(S), Mild	PAROTID
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
SALIVARY GLAND	HEMORRHAGE AND EDEMA, ACUTE, Mild, Diffuse.
THYROID GLA D	CYST, THYRO-GLOSSAL DUCT REMNANT, Moderate, Focal.
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Diffuse. REDUPLICATION/HYPERPLASIA, BILE DUCTULES, Mild, Diffuse.
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Mild, Multifocal. VACUOLATED TUBULAR EPITHELIUM, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

PRINTED: 27-Oct-89
Page: 58

SUB-ACUTE/

Animal: 89F00384 Sex: Female Group: 9 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.02

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
KIDNEY	NECROSIS, TUBULAR, ACUTE, Slight, Multifocal. DILATED TUBULES, Slight, Multifocal.
DIAPHRAGM	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/-

Animal: 89F00350 Sex: Female Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.40

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
13-Jun-89	15/3	LIVER	92.1	2.71	974.6	Low
13-Jun-89	15/3	KIDNEY	19.3	0.57	203.8	High
13-Jun-89	15/3	HEART	12.4	0.37	131.4	
13-Jun-89	15/3	BRAIN	9.5	0.28	100.0	Low
13-Jun-89	15/3	OVARIES	0.44	0.013	4.63	Low
13-Jun-89	15/3	ADRENAL GLANDS	0.35	0.010	3.66	
13-Jun-89	15/3	SPLEEN	2.6	0.08	27.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
LUNGS	HEMORRHAGE(S), Mild	MULTIFOCAL
VENA CAVA	HEMORRHAGE, Moderate	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Moderate, Diffuse. INFLAMMATION, GRANULOMATOUS, Moderate, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Moderate, Focal. CYST, FOLLICULAR, Slight, Multifocal.
LUNGS	VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00351 Sex: Female Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.51

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
14-Jun-89	16/3	LIVER	87.2	2.48	921.2	Low
14-Jun-89	16/3	KIDNEY	18.2	0.52	192.4	
14-Jun-89	16/3	HEART	10.5	0.30	110.5	
14-Jun-89	16/3	BRAIN	9.5	0.27	100.0	Low
14-Jun-89	16/3	OVARIES	0.42	0.012	4.41	Low
14-Jun-89	16/3	ADRENAL GLANDS	0.32	0.009	3.40	
14-Jun-89	16/3	SPLEEN	1.8	0.05	19.4	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Trace	NO CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos recorded on animal	

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
All protocol required tissues normal.	

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

PRINTED: 27-Oct-89
Page: 61

Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00373 Sex: Female Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.01

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	89.6	2.98	724.7	
20-Jun-89	22/4	KIDNEY	15.5	0.52	125.4	
20-Jun-89	22/4	HEART	6.9	0.23	56.0	
20-Jun-89	22/4	BRAIN	12.4	0.41	100.0	
20-Jun-89	22/4	OVARIES	0.22	0.007	1.81	
20-Jun-89	22/4	ADRENAL GLANDS	0.32	0.011	2.56	
20-Jun-89	22/4	SPLEEN	3.2	0.10	25.5	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Mild	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Marked, Diffuse. THROMBOSIS, CHRONIC, VENA CAVA, Marked, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F

Study Start Date: 30-May-89 SUB-ACUTE/

Animal: 89F00364 Sex: Female Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.29

<< Organ Weights >>

Date	Day/Week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
20-Jun-89	22/4	LIVER	89.3	2.72	902.6	Low
20-Jun-89	22/4	KIDNEY	16.4	0.50	165.9	
20-Jun-89	22/4	HEART	10.3	0.31	104.1	
20-Jun-89	22/4	BRAIN	9.9	0.30	100.0	Low
20-Jun-89	22/4	OVARIES	0.29	0.009	2.94	Low
20-Jun-89	22/4	ADRENAL GLANDS	0.47	0.014	4.76	
20-Jun-89	22/4	SPLEEN	1.6	0.05	15.9	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
VENA CAVA	THROMBUS, Moderate	AROUND CATHETER

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
BRAIN	INFLAMMATION, PERIVASCULAR, SUBACUTE, Slight, Multifocal. INFLAMMATION, GRANULOMATOUS, Slight, Multifocal.
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Slight, Focal.
HEART	INFLAMMATION, INTERSTITIAL, SUBACUTE, Slight, Multifocal. INFLAMMATION, INTERSTITIAL, ACUTE, WITH BACTERIA, Slight, Multifocal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal. VASCULITIS, NECROTIZING, CHRONIC, WITH THROMBUS, Mild, Focal.
LIVER	INFLAMMATION, SUBACUTE, PERIPORTAL, Moderate, Multifocal. INFLAMMATION, PARENCHYMA, PYOGRANULOMATOUS, Mild, Multifocal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00364 Sex: Female Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.29

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
KIDNEY	INTERSTITIAL INFLAMMATION, SUBACUTE, Slight, Multifocal.
MISCELLANEOUS	PHLEBITIS, CHRONIC-ACTIVE, VENA CAVA, Slight, Focal. THROMBOSIS, CHRONIC, VENA CAVA, Moderate, Focal.

Appendix I (cont.): PATHOLOGY REPORT

LETTERMAN ARMY INSTITUTE OF RESEARCH
DIV OF RES SUPP, PATH SERV GP
PRESIDIO OF SAN FRANCISCO, CA 94129
RABBIT/NEW ZEALAND WHITE

Individual Animal Data Dump Table
Study Number: 88010F
Study Start Date: 30-May-89

SUB-ACUTE/

Animal: 89F00381 Sex: Female Group: 10 Dose level: 16.0 ML/KG/day
Day of death: 15 Status: Final sacrifice Terminal body weight (kms): 3.90

<< Organ Weights >>

Date	Day/week of Study	Organ Name	Absolute Organ Weight (gms)	Relative % of Body Weight	Relative % of Brain Weight	Organ Status
21-Jun-89	23/4	LIVER	143.4	3.68	1473.5	
21-Jun-89	23/4	KIDNEY	17.7	0.45	181.9	
21-Jun-89	23/4	HEART	8.3	0.21	85.6	Low
21-Jun-89	23/4	BRAIN	9.7	0.25	100.0	Low
21-Jun-89	23/4	OVARIES	0.29	0.007	2.96	Low
21-Jun-89	23/4	ADRENAL GLANDS	0.29	0.008	3.02	
21-Jun-89	23/4	SPLEEN	2.7	0.07	27.7	

<< Gross Observations >>

Tissue	Finding, severity	Gross Free-Text Comments
WHOLE BODY	NO LESIONS RECOGNIZED	

<< Necropsy Memos >>

Tissue	Necropsy memos
No necropsy memos	recorded on animal

<< Pathology Observations >>

Tissue	Histopathologic diagnoses / Special histological comments
THYROID GLAND	CYST, THYRO-GLOSSAL DUCT REMNANT, Mild, Focal.
LUNGS	INFLAMMATION, INTERSTITIAL, SUBACUTE, Mild, Multifocal.

PATHOLOGY ANNEX (cont.)

OFFICIAL DISTRIBUTION LIST

Commander
US Army Medical Research
& Development Command
ATTN: SGRD-RMS/Mrs. Madigan
Fort Detrick, MD 21701-5012

Defense Technical Information Center
ATTN: DTIC/DDAB (2 copies)
Cameron Station
Alexandria, VA 22304-6145

Office of Under Secretary of Defense
Research and Engineering
ATTN: R&AT (E&LS), Room 3D129
The Pentagon
Washington, DC 20301-3080

DASG-AAFJML
Army/Air Force Joint Medical Library
Offices of the Surgeons General
5109 Leesburg Pike, Room 670
Falls Church, VA 22041-3258

HQ DA (DASG-ZXA)
WASH DC 20310-2300

Commandant
Academy of Health Sciences
US Army
ATTN: HSHA-CDM
Fort Sam Houston, TX 78234-6100

Uniformed Services University of
Health Sciences
Office of Grants Management
4301 Jones Bridge Road
Bethesda, MD 20814-4799

US Army Research Office
ATTN: Chemical and Biological
Sciences Division
PO Box 12211
Research Triangle Park, NC 27709-2211

Director
Walter Reed Army Institute of Research
ATTN: SGRD-UWZ-L
Washington, DC. 20307-5100

Commander
US Army Medical Research Institute
of Infectious Diseases
ATTN: SGRD-ULZ-A
Fort Detrick, MD 21701-5011

Commander
US Army Medical Materiel Development
Activity
Fort Detrick, Bldg T622
Frederick, MD 21701-5009

Commander
US Army Biomedical Research and
Development Laboratory
ATTN: Library
Fort Detrick, Bldg 568
Frederick, MD 21701-5010

Commander
US Army Research Institute of
Environmental Medicine
ATTN: SGRD-UE-RSA
Kansas Street
Natick, MA 01760-5007

Commander
US Army Institute of Surgical Research
Fort Sam Houston, TX 78234-6200

Commander
US Army Medical Research Institute of
Chemical Defense
ATTN: SGRD-UV-AJ
Aberdeen Proving Ground, MD 21010-5425

Commander
US Army Aeromedical Research
Laboratory
Fort Rucker, AL 36362-5000

AIR FORCE Office of Scientific
Research (NL)
Building 410, Room A217
Bolling Air Force Base, DC 20332-6448

USAF School of Aerospace Medicine
Document Section
USAFSAM/TSKD
Brooks Air Force Base, TX 78235-5301

Head, Biological Sciences Division
OFFICE OF NAVAL RESEARCH
800 North Quincy Street
Arlington, VA 22217-5000