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AWARD NUMBER DAMD17-94-J-4014

TITLE: Program for Critical Technologies in Breast Oncology

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REPORT DATE: July 1998

TYPE OF REPORT: Annual

PREPARED FOR: Commander
U.S. Army Medical Research and Materiel Command
Fort Detrick, Maryland 21702-5012

DISTRIBUTION STATEMENT: Approved for Public Release;
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REPORT DOCUMENTATION PAGE

Form Approved
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Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY <i>(Leave blank)</i>	2. REPORT DATE July 1998	3. REPORT TYPE AND DATES COVERED Annual (1 Jul 97 - 30 Jun 98)
4. TITLE AND SUBTITLE Program for Critical Technologies in Breast Oncology		5. FUNDING NUMBERS DAMD17-94-J-4014
6. AUTHOR(S) Jose Costa, M.D.		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Yale University School of Medicine New Haven, Connecticut 06520-8070		8. PERFORMING ORGANIZATION REPORT NUMBER
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Materiel Command Fort Detrick, Maryland 21702-5012		10. SPONSORING / MONITORING AGENCY REPORT NUMBER
11. SUPPLEMENTARY NOTES		
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited		12b. DISTRIBUTION CODE
13. ABSTRACT <i>(Maximum 200 words)</i> The Program for Critical Technologies in Breast Oncology is involved in several interrelated areas of support for research on breast cancer: 1) centralized collection and evaluation of human breast tissues; 2) establishment of a comprehensive database; 3) distribution of tissue samples; 4) molecular characterization of tissues; and 5) examination of ethical questions relating to tissue use. Human tissue samples are essential to progress in research on breast cancer. A shared resource facility can best cope with the demands of proper collection and storage of human tissue for a variety of research uses, without interfering with the pathologist's diagnosis. Because of advances in early detection of breast cancer, the size of tumors is getting smaller. This situation demands that efficient use be made of tissues, so that many researchers can share the use of one sample. Any research using tissues must be done with appropriate information about the tissues, and in an ethical manner that respects the patients' rights. The Program for Critical Technologies in Breast Oncology helps address all of these various issues, and provides one central facility where breast cancer researchers may obtain tissues and information about tissues, have access to research assays, and receive guidance on ethical issues.		
14. SUBJECT TERMS Breast Cancer anatomical samples, tissue, bank, DNA, molecular diagnosis, database		15. NUMBER OF PAGES 83
		16. PRICE CODE
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified
20. LIMITATION OF ABSTRACT Unlimited		

FOREWORD

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Table of Contents

Front Cover.....1
SF 2982
Foreword3
Table of Contents4
Introduction.....5
Body of Report.....5
 Task 1) Centralize collection of fresh, fixed, and paraffin embedded breast tissue samples from patients treated at Yale New-Haven Hospital and other hospitals in Connecticut.5
 Task 2) Establish comprehensive database linked to the CTBO tissue bank & designed to support multidisciplinary studies that utilize tissue samples.....9
 Task 3) Prepare and distribute breast tissue samples from the CTBO repository to investigators11
 Task 4) Develop and offer on a minimal fee-for-service basis routine molecular and histologic tissue analyses of relevance to breast cancer.12
Conclusions13
Appendices15
 Appendix 1: New data entry screens and collection sheets for patient data15
 Appendix 2: Breast cases collected, July 1997 to June 1998.....34
 Appendix 3: Breast cytology cases collected, July 1997 to June 1998.....42
 Appendix 4: Breast cases distributed from frozen samples50
 Appendix 5: Frozen breast tissue available.....57

Introduction

In Year 4 of The Program for Critical Technologies in Breast Oncology (PCTBO), we have expanded services that were initiated in July 1994 to establish a core technical and tissue procurement resource that: i) maximizes access to human breast tissues and tumor DNA for basic investigators; ii) facilitates the application of molecular technologies in clinical breast oncology; and iii) makes such technologies routinely available to clinical investigators. This program builds on Yale's existing Program for Critical Technologies in Molecular Medicine and the Tissue Procurement Shared Resource of the Yale Cancer Center, and complements in a rigorous and planned way the Yale Tumor Registry and Yale's Rapid Case Ascertainment System. Thus it makes possible for several resources to have a special focus on breast cancer and related diseases. The existence of a Breast Cancer Research Program (Dr. Michael Reiss, P.I.), developed with the resources of the Yale Comprehensive Cancer Center in 1995, increases the utilization of the PCTBO infrastructure to near maximum capacity.

Body of Report

We have organized the body of our annual report to follow the tasks delineated in the original proposal's Statement of Work: i) collection of samples; ii) establishment of a database; iii) preparation and distribution of samples; iv) development of assays relevant to breast cancer.

Task 1) Centralize collection of fresh, fixed, and paraffin embedded breast tissue samples from patients treated at Yale New-Haven Hospital and other hospitals in Connecticut.

Year 4 1-a) Continue collection activities

During the fourth year of the program, we received reapproval from all of the hospitals in which we already had initial IRB approval, including reapproval from Yale's Human Investigation Committee for our parent protocol. We have strong and ongoing interactions with all of our Phase I hospitals. Phase II hospitals have, within our experience, proven to be a more challenging situation that we originally anticipated, partly because of the growing influence of managed care and other factors. Three of the Phase II hospitals on our original list are no longer exist due to mergers or bankruptcy. We have two Phase II hospitals on our tissue collection schedule. However, smaller numbers of patients, increased numbers of cases for which no excess tissue is available, and limited off-site hospital staff time for "non-essential" operations have combined to yield extremely small numbers of samples from our Phase II hospitals. Because of these facts, we made a final evaluation of the efficiency and cost-effectiveness for inclusion of the remaining, smaller, and much more geographically distant Phase II hospitals, and came to the conclusion that, at best, we would receive four or five samples per year from *all* remaining unenrolled hospitals. Because of such low anticipated yield in return for large amounts of time and energy in setting up and coordinating IRB approvals, training of hospital personnel, and scheduling of tissue collections on dry ice, we did not enroll the remaining hospitals.

The hospitals at which we have tissue procols for collection are listed in Tables 1a and 1b.

19981005 141

Table 1a: List of Off-site Hospitals, Phase I

Hospital & City	Contact Pathologist/ Department Chair or HIC/ Collection Technologist <i>(italics = updated information)</i>	Date of initial IRB approval & last reapproval
Bridgeport Hospital, Bridgeport, CT	Gustave Davis, M.D. Gustave Davis, M.D.(IRB) <i>Bonnie Yannessy</i>	2/98
Danbury Hospital, Danbury, CT	Raoul Braza, M.D. Ramon Kranwinkel, M.D.(IRB) Mary Davis, Ph.D.	8/97
Greenwich Hospital, Greenwich, CT	Richard Eisen, M.D. Stephen Gray, M.D. Claire Arkemone, H.T.	6/98
The Griffin Hospital, Derby, CT	Stephanie Wain, M.D. Vincent deLuca, Jr. M.D. (IRB)	9/97
Hartford Hospital Hartford, CT	Martin Berman, M.D. Robert Siegal, M.D.	submitted 5/96, still under consideration
Hospital of St. Raphael, New Haven, CT	Paul Fiedler, M.D. Romeo Vidone, M.D. Gail Barricelli, M.T.	2/98
Norwalk Hospital, Norwalk, CT	<i>Michael Bush, M.D.</i> <i>Eric Lazur, M.D. (IRB)</i> Margaret Keane, H.T.	9/97
The Stamford Hospital, Stamford, CT	<i>Patrick Broderick, M.D.</i> Michael Parry, M.D. (IRB)	8/97
St. Mary's Hospital, Waterbury, CT	<i>William Frederick, M.D.</i> Dwight Miller, M.D.	8/97
The Waterbury Hospital, Waterbury, CT	<i>Thomas Anderson, M.D.</i>	8/97
Yale-New Haven Hospital, New Haven, CT	Darryl Carter, M.D. Jon Morrow, M.D., Ph.D. Leticia deDios, M.D.	2/98
Veterans Hospital, West Haven, CT	Robert Homer, M.D. Gary Stack, M.D. Leo Kelley, P.A.	2/98

Table 1b: List of Off-site Hospitals, Phase II

Hospital & City	Contact Pathologist/ Department Chair or HIC/ Collection Technologist <i>(italics = updated information)</i>	Date of initial IRB approval & last reapproval
The William H. Backus Hospital	Sa-id Esfahanian, M.D. <i>Franklin Friedman, M.D. (IRB)</i>	**
Bradley Memorial Hospital Southington CT	James Ford M.D.	**
Bristol Hospital Bristol CT	Leslie Kish M.D. <i>Richard Dalsen, M.D. (Cancer Committee)</i>	**
Charlotte Hungerford Hospital Torrington CT	Richard Gallagher M.D. <i>Susan Pittman-Lowenthal (IRB)</i>	**
Day Kimball Hospital Putnam CT	Paul Wong M.D.	**
John Dempsey Hospital Framington CT	Faripour Forouhar, M.D.	**
Lawrence & Memorial Hospital	<i>Edwin Clayton M.D. Joan Blessing</i>	9/97
Manchester Hospital Manchester, CT	Dennis O'Neill, M.D. Dennis O'Neill, M.D. (IRB)	submitted 5/96, still under consideration
Middlesex Hospital Middletown CT	Sebastian Gallo, M.D.	**
Milford Hospital Milford CT	Suri Pappu, M.D. John Walsh, (VP Admin)	**
Mount Sinai Hospital Hartford CT	<i>merged with St. Francis Hospital</i>	NA
New Britain General Hospital New Britain CT	David Krugman, M.D	**
New Milford Hospital New Milford CT	Prashant Rodrigues, M.D.	**
Park City Hospital Bridgeport CT	<i>merged with Bridgeport Hospital</i>	NA
Rockville General Hospital Rockville CT	John Kriz, M.D.	**

The Sharon Hospital Sharon CT	Rosalinda Parilla, M.D.	**
St. Francis Hospital	George Barrows, M.D. Ernesto Canalis, M.D. Donna Dooman, P.A.	8/97
St. Vincent's Medical Center Bridgeport CT	George Lowenski, M.D. Lorraine Carrano, M.D. (IRB)	**
Veterans Memorial Medical Center Meriden CT	Kyum S. Pyun, M.D.	**
Windham Memorial Hospital Windham CT	Nadia Nashid, M.D.	**
Winsted Memorial Hospital Winsted CT	<i>bankrupt 1996</i>	NA

**few cases expected
from a small, far-
distant location

Year 4-1b) Continue off-site training and monitoring of tissue collection personnel

We continue to use our defined protocols to obtain fresh frozen tissue. Given the present trend in diagnosis and therapy of breast masses we have taken two approaches. The first is to continue with an aggressive prospective acquisition of samples of tissue that are prepared and embedded in OCT medium such that frozen sections can be cut from the samples. If extra tissue is still remaining, additional aliquots are bulk-frozen in tissue cassettes in liquid nitrogen, and also, when requests are outstanding, collected in a fresh, viable manner. The larger tumors, from which "bulk" specimens are available, can be used for nucleic acid or protein extraction after grinding the frozen tissue under liquid nitrogen in a mortar and pestle to obtain a fine frozen powder. Both the fast freezing and optimal maintenance of the samples (e.g. always transported on dry ice) have enhanced nucleic acid stability.

The second approach we have taken is applicable to samples such as small biopsies for which excess tissue is often not available from a gross specimen. In these cases, we can obtain extra frozen sections at the time a clinical section is done during an intra-operative consultation. Once the pathologist has concluded the consultation on a frozen specimen, an extra 10 sections are cut and stored on slides that are kept frozen at -80° C for future use. The remainder of the frozen specimen is handled as usual by the pathologist. We should note specifically that these slides are handled in the same manner as are the larger samples: no research use is made of any material before at least one week has elapsed after the final pathology report has been issued.

The success of our efforts to collect sections and slides is reflected in the fact that, although we collected 193 cases of breast tissue this year (25% more than the 151 we collected last year), we were able to distribute approximately 688 samples from 109 cases, including about 600 samples of sections and slides. Without our preparation and distribution of sections and slides, we would have had to exhaust our entire bank of frozen breast tissues and would still not have met the research demand.

Task 2) Establish comprehensive database linked to the CTBO tissue bank & designed to support multidisciplinary studies that utilize tissue samples

Year 4-2a) Continue information collection as above at YNHH and at phase I hospitals (on-line database incorporating data items outlined, computer network interfaces, protocols, and procedures to assure collection of the information outlined).

In year 1 we established the protocols to implement the database as proposed in the original application. The data files were resident in a Macintosh PowerPC 7100 fileserver and were created using FileMaker Pro 2.0 software. With the release of FileMaker Pro version 3.0 in early 1996, we completely redesigned the database files to take advantage of the fully relational aspects of the new FileMaker version. This major re-working of the PCTBO's own database has been completed. Examples of some of the new tissue reports can be found in appendix 3.

To respond to the long term need to provide ease of access to data on all databases for use by researchers, we had done work with the Yale Comprehensive Cancer Center [YCCC] and Yale New Haven Hospital. When the reorganization of the Clinical Research Office [CRO] at the YCCC was completed in late 1995, we met with Drs. Lee Schacter and Daniel Zelterman of the CRO to define common goals and potentials for sharing information and resources between the CRO and our core facility of the PCTBO. At a meeting in January 1996, we explored the efficacy of implementing a data warehouse architecture, where one could define and regularly download

applicable data from existing systems onto data warehouse running Oracle or some other database product. This would allow users running database query software at their desktops to query information from the data warehouse, reducing demand on the programming resources of existing systems, including the Pathology Information System and the Yale-New Haven Hospital Tumor Registry.

In the past year, purchase of a multitasking computer with ethernet and TCP/IP capabilities and hard disk storage has been accomplished. Software for data storage was evaluated: Oracle Clinical was brought on-site for many months before the decision was made that it would not satisfy the demands of the program. Instead, programming staff were recently hired to define, configure, maintain, and archive a custom database using Oracle, with Microsoft Access front-end. We continue to actively work with the Breast Cancer Research Program. They obtained funding to support efforts to retrieve patient demographic, treatment, and followup data. This activity will start in August 1997. We will take the opportunity to piggyback on and expand the scope of their project to include references to the breast tissue samples available through the PCTBO. This goal will be actively pursued in year four of the PCTBO.

Samples of the most recent (6/98) data entry screens for this patient database project are given in appendix 1. We have been actively working with Dr. Cynthia Brandt in the Yale Center for Medical Informatics to further refine the patient and tissue databases. Information collected includes: Demographics and epidemiologic information such as known risk factors and family history; pathology and staging; treatment (surgeries, radiation including response to treatment, chemotherapy/endocrine therapy including response to treatment); and periodic (every 3 months) updates on disease status.

In addition to meeting with the CRO, we also have had ongoing interactions with Yale New Haven Hospital. The hospital, for reasons of more efficient management, state reporting requirements, and the goal of daily updates from all areas of the hospital, is working towards combining data from all of its computers. This project is making progress even with limited resources, and although it is transaction-oriented and not designed for research use, the fact that longitudinal data tracking will be more easily accomplished can in fact be made to serve research use as well. Our meetings to date have proved quite productive. The hospital is still in Phase I of a three-phase plan and working on the emergency department, ambulatory surgery, and inpatient clinic records collection on a daily rather than monthly schedule. The data involved will include all doctors orders and the operating room schedules. Although the Yale Physicians Building (where many breast cancer patients are seen and treated) is not in their Phase I plans, these data will be included in Phase II. In the interim, we continue to actively collaborate with people from Hospital Management and Information Systems, and for the shorter term, we are discussing the possibilities of prospectively designing additional fields in the Clinical Archive database that will serve breast cancer research needs.

Year 4-2b) Expand comprehensive information catchment to include additional phase I & II hospitals.

With the continuation of tissue collection routines from phase I hospitals, we also remain successful in retrieving information about the tissue specimens. Pathology reports at a minimum are submitted for each specimen, and this information collection is coordinated and accomplished by the travelling associate, Bonnie Kaye. All hospitals from which tissue is retrieved are supplying this comprehensive information. However, after information is recorded, we "anonymize" the tissue and related information because all of our off-site IRB approvals are for use of anonymous samples only. Last year we developed a simple and easy-to-use format that enables both collection of information about the tissue samples, and fail-safe anonymizing of the samples.

Remote data collection continues to be possible via modem access to the PCTBO FileMaker Pro database through AppleTalk Remote Access software. Appropriate security precautions have been implemented. We continue to collect Pathology Reports from sites, however, due to the limited time commitment that off-site hospital staff can make as the demands of managed care increase. The feasibility of direct downloading of data from pathology reports into the PCTBO database continues to be studied. The Pathology Department will upgrade to a new Pathology Information System in the second half of 1998, and direct data transfer will probably follow shortly thereafter. In the interim, copying and pasting of relevant data is utilized, and will probably remain the basis for most of our data acquisition, since this method allows human review of appropriate information entering the database.

Task 3) Prepare and distribute breast tissue samples from the CTBO repository to investigators

Year 4-3a) Continue tissue and DNA/RNA collection and distribution

Protocols for tissue request and distribution continue to function well. In cooperation with the Yale Human Investigation Committee, we have designed a specific approval form to supplement the information and service request forms already in use. The new form (see appendix 6) gives all the useful information that we require in order to satisfy the HIC approval given to investigators to receive patient tissue. We continue to work closely with the Yale Human Investigation Committee to insure that all programs involving research use of samples of archival or fresh frozen human breast tissue are channeled through the PCTBO. As we expected, as information is disseminated about our bank, frozen samples are increasingly being requested.

Extraction of DNA from frozen sections and from archival paraffin tissues continues to be routinely done in our laboratories. Extraction of standard quality RNA from thick (10-20 μm) frozen sections (and in some cases from paraffin blocks) is also routinely accomplished. Given the minimal size of the breast biopsies and the lesions contained in the tissue, collection of very high quality RNA is limited to large tumor specimens.

Over the past year of collection (July 1997 to June 1998), we have obtained 1803 parts from breast cases, drastically up from the 589 parts collected in year 1, and even increased over the 1016 parts collected in year 2 and 1704 in year 3. The major reason for this increase continues to be the fact that frozen section slides are collected at the time of diagnosis, and held in the bank until the case is signed out. A detailed list of cases collected is included in appendix 2.

Collections of excess breast cells from the Cytology section of the Department of Pathology was continued in collaboration with Dr. David Rimm, cytopathologist. See appendix 3 for list of these specimens. The excess volume of fine needle aspirations (collected with a Cytotec apparatus) have been stored and catalogued, and are available for research use. This new source of breast cells is proving to be of enormous value.

Distribution of breast tissues and tissue products has occurred from two different modules this year: tissue distribution from all frozen cases collected previously are summarized in the appendix 4 report "Tissue Distribution," and total about 700 samples. An additional distribution of breast specimens, of approximately one-third of the 15,653 tissue products produced by the Research Histology component of the PCTBO, are from paraffin breast samples, and are not listed in this report. The large number distributed from previously banked samples only serves to emphasize the enormous power of the system of centralized collection and critical distribution of only those types and amounts of tissues actually needed by each investigator. The fact that 760 patient cases originally collected still have some tissue left in the bank represents a dramatic increase in numbers available for further research.

Year 4-3b) Complete inventory and review of paraffin archive, and their indexing to CTBO database (Total paraffin collection > 1 million blocks)

With our continuing work on the resource of archival paraffin specimens, the paraffin archives themselves have been substantially improved. Last year we successfully finished the complete reorganization of over 3 million paraffin blocks, physically sorted and refiled all blocks, and consolidated the warehouse locations of the paraffin blocks from 3 separate sites to 2 closer, climate-controlled sites. These overall improvements have made a huge difference in ease of use of this most valuable resource, and is reflected in the large number of recuts requested from the blocks.

Of 900,000 cases available in paraffin from the pathology archives, data from the Yale Tumor Registry indicate that 10,750 are of breast cancer, including both invasive and in situ. In the past year, we have identified specific computer-based pathology accession numbers for the remainder of these not identified on the computer last year. The same report definitions as listed in last year's report were used for the completion of this task. We completed the process of identifying specific blocks from each case in which breast cancer is present. This labor- and time-intensive process was started with identification of ductal carcinoma in situ cases, and later moved to invasive cancer. For this, our work has been much easier since the invasive tumors tend to be much larger than the in situ carcinomas we reviewed for the last report. We review pathology reports to find the designated tumor block. Reliance on the path report for tumor ("T") or primary tumor ("P" or "PT") block designations is sufficient for most of the invasive cases.

Year 4-3c) Continue to advertise availability of breast cancer tissue for research.

The Yale Comprehensive Cancer Center's Breast Cancer Research Program meets on a monthly basis for presentation of research seminars and ongoing communication among all breast cancer researchers at Yale School of Medicine, Yale University, and Yale-New Haven Hospital. At these monthly gatherings we continue to present information about the currently available breast tissue (frozen and paraffin-embedded), as well as general information about the ability to set up prospective collection protocols and our interface with the Yale Tumor Registry for identification of breast cancer cases. The Program for Critical Technologies World Wide Web page (<http://info.med.yale.edu/pathol/crittech/ct.htm>). We have received inquiries from researchers about our resource, and have entered into an agreement with a researcher in California to provide samples from over 200 of our breast cases, should she receive funding. All appropriate administrative requirements, including IRB approvals and a Material Transfer Agreement (see appendix 11), have been completed. We expect ongoing inquiries about our resource. Because of the tissue we have available (see appendix 5)—760 cases, and over 5000 samples—and because we usually provide portions of the samples rather than whole tissues, we expect to be able to supply most of the breast cancer researchers who approach us.

Task 4) Develop and offer on a minimal fee-for-service basis routine molecular and histologic tissue analyses of relevance to breast cancer. Of particular interest are assays that can be carried out on minimal tissue samples.

Year 4-4a) Continue to offer routine analyses [assays from previous years: p53, prad, ras, neu, microsatellite repeat variability, histochemistry and immunohistochemistry].

The detailed methods developed in year 1 and reported in our annual report of July 1995 have been standardized for routine performance upon request of investigators. These include a functional

assay for p53, PCR analysis of PRAD-1 (Cyclin D1), assay for NEU oncogene function, Somewhat surprisingly, researchers most often request immunostains for various oncogenes and tumor suppressors, including p53, neu, alpha-catenin, E-cadherin, and bcl-1/prad-1, rather than PCR-based assays. We have worked extensively on further refinement of immunostaining protocols, including specific work to adapt and optimize use of commercially-available antibodies on paraffin-embedded tissues. Often these antibodies have not been tested on paraffin sections, and we have been successful in a number of cases. Two protocols were very effective: the use of recent antigen-retrieval method of pressure-cooking, and use of a commercially available "one-step" method of staining (Dako EnVision system, antibody and HRP coupled to an inert polymer backbone; or "universal" secondary with poly-HRP). Both of these techniques can be applied to any immunohistochemical staining protocol. Pressure-cooking can also be utilized in immunoblots.

Year 4-4b) Establish protocols for analysis of at least three additional genes as noted in Table 1 or for other candidate genes as they become recognized

As noted above, because most investigators are interested in immunohistochemistry-based assays for changes in oncogenes and/or tumor suppressor genes, in this fourth year of the project we continue to concentrate on this type of molecular analysis. We currently have protocols for use of either commercially-available or lab-made antibodies for a wide range of proteins implicated in breast cancer, including p53, neu/erbB2 including one specific for the biologically active phosphorylated form of the protein), estrogen receptor, progesterone receptor, alpha-catenin, E-cadherin, and DCC. In the past year we have critically examined antibodies newly available for p53, neu/erbB2, c-met, and various angiogenic factors including VEGF and FGF. We analyzed and compared commercially available antibodies for use on paraffin sections.

We tried different antibodies, and several antigen retrieval methods including a microwaving based protocol (using a number of different incubation solutions) and a pressure cooking protocol (using a citrate solution). We found the pressure cooking protocol to enhance the staining intensity without causing previously negatively characterized specimens to appear positive. Unlike the Ab-1 which we had been using for neu/erbB2, the antibody cb-11 does not require pressure cooking pretreatment, and we have simplified our protocol for that antigen.

Year 4-4c) c) Continue to advertise these services to breast cancer investigators as above.

Although at first it might seem that "routine" immunostains for breast tissues would not cause much response among investigators, the opposite is in fact true. We have advertised our immunostaining services, and many researchers have expressed interest in the newly developed and optimized ER, PR, p53 and neu/erbB2 stains for their breast tissues. As noted above, are constantly identifying and evaluating new antibodies and staining protocols so that we may offer state-of-the-art immunohistochemistry to breast cancer researchers.

Conclusions

The fourth year of support for the Program for Critical Technologies in Breast Oncology has seen many encouraging developments for this important core facility. We have increased the numbers of off-site hospitals involved in the Program. We finished conversion of a database uniquely suited to our collection, assay, and distribution of tissue products along with anonymous information describing the tissue samples. We collaborated with the Breast Cancer Research Program to obtain patient information for the tissue samples we hold. We continue to work intensely and collaboratively with many different parts of the Hospital, Medical School, University, and Cancer Center to streamline efficient data collection and access. Our numbers of collected breast tissue

samples again more than doubled in the past year, and we have distributed more than 14,000 tissue products since the start of the Program.

We are in the fourth year of collecting and distributing breast cytology specimens, a tissue source not widely available at any institution. We have completely reorganized more than 3 million paraffin blocks so that easy, efficient access is a rule rather than an exception, and have identified all computerized breast cases with malignancies for which blocks are available. We have expanded the research community's knowledge of and requests to the PCTBO for breast tissue products and related clinical information about the samples. We continue to develop translational research, moving research assays closer to clinical utility.

In the future, we will continue in the forward direction toward the goals of the PCTBO. The PCTBO continues to be enthusiastically received by the research community, and is serving as a resource and model for other academic centers' efforts in setting up similarly successful programs.

Appendices

Appendix 1: New data entry screens and collection sheets for patient data

Menarche, ERT, OCP | Pregnancies, Children, Siblings | Family Hx of Breast CA

Breast CA Presentation |

Age at Menarche Menses: LMP

Estrogen Replacement Use

Estrogen
Replacement
Therapy

Type ERT	Period of ERT
<input type="text"/>	<input type="text"/>

Record: 1 of 1

Oral Contraceptive Use

Oral
Contraceptive
Use

Type of OCP	Period of OCP Use
<input type="text"/>	<input type="text"/>

Record: 1 of 1

Menarche, ERT, OCP | Pregnancies, Children, Siblings | Family Hx of Breast CA

Pregnancies (specify number)

Live Births (specify number)

Any Children?

Child(ren)

Child	Birth year
<input type="text"/>	<input type="text"/>

Record: 1 of 1

Any Siblings?

Sibling(s)

Sibling	Birth Year
<input type="text"/>	<input type="text"/>

Record: 1 of 1

Patient Medical History (Related to Breast Cancer)

Italicized items are not optional.

Patient Medical History (Related to Breast Cancer)

Age at Menarche

- 10 or younger*
- 11*
- 12*
- 13*
- 14*
- 15*
- 16 or older*
- Missing data*
- Unknown*

Menses:

- Regular*
- Irregular*
- None*
- Missing data*
- Unknown*

LMP: _____

Pregnancies (specify number): _____

Live Births (specify number):: _____

Estrogen Replacement Therapy

- yes*
- no*
- Unknown*

Oral Contraceptive Use

- yes*
- no*
- Unknown*

Children?

- yes*
- no*
- Unknown*

Siblings?

- yes*
- no*
- Unknown*

Breast CA Presentation

- palpable mass and mammography*
- mammography only*
- palpable mass only*
- unknown*

Annual report, José Costa, M.D.

Type ert

Type ERT	Description of ERT
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

OCP Type

Type of OCP	Description of OCP use
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Birth Yr of Children

Type of Child	Birth year
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____
<input type="checkbox"/> <I>Daughter</I> <input type="checkbox"/> <I>Son</I>	_____

Sibling

Sibling	Birth Year
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____
<input type="checkbox"/> <I>Brother</I> <input type="checkbox"/> <I>Sister</I>	_____

Family History of Breast CA

Relative with Breast CA	Age of Relative at diagnosis of Breast CA	Current Status	Relative with Breast CA age of death
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____
_____	_____	—	_____

Choices for Current Status:

- | | |
|----------------------------------|---------------------------------|
| 1. Alive, No evidence of Disease | 4. Dead, without disease |
| 2. Alive, with disease | 5. Dead, with disease |
| 3. Alive, disease status unknown | 6. Dead, disease status unknown |
| | 7. Lost to follow-up |

PMH Other
 No
 Yes
 Unknown

PMH Other description: _____

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History of Neoplastic Disease(other than present)?

No

Yes

Unknown

Neoplasms (hist) description: _____

Tissue/Notes | Grades/Stages | DNA Index |

Pathology # |

Accession Date

Sign out Date

Surgeon

Pathologist

Tissue Source

Part:	Gross description of Tissue
▶	▼

Record: ◀ ▶ * 1 ▶ ▶▶ ▶▶▶ of 1

Final Diagnosis

Note

Nodes Examined

of Nodes Positive

Size of Tumor (cm)

Margins of excision

Tissue/Notes | Grades/Stages | DNA Index

Breast CA Histological grade

Breast CA Nuclear grade

Breast CA Current Pathological Stage

Estrogen receptors

Progesterone receptors

H-score (0-100)

H-score (0-100)

% Positive (0-100)

% Positive (0-100)

[pmol/mg]

[pmol/mg]

T Stage

N Stage

M Stage

Tissue/Notes	Grades/Stages	DNA Index
% Cells Diploid		
G0-G1 Diploid (%)		
S Diploid (%)		
G2-M Diploid (%)		
% Cells Aneuploid		
G0-G1 Aneuploid (%)		
S Aneuploid (%)		
G2-M Aneuploid (%)		
	DNA Index (DI)	
	Coefficient of Variation (CV)	

Pathology Report

Italicized items are not optional.

Pathology Report

Accession Date: _____

Sign out date: _____

Pathology Report Pathology Number: _____

Surgeon: _____

Pathologist: _____

Pathology Report Tissue Source: _____

Final Pathology diagnosis: _____

Breast CA Histological Grade

I

II

III

Nuclear grade

I

II

III

Breast CA estrogen receptors - H-score: _____

ER % Positive (0-100): _____

Breast CA estrogen receptor (fmol/mg): _____

Breast CA progesterone receptor - hscore (0-100): _____

PR % Positive (0-100): _____

Breast CA progesterone receptor -fmol/mg: _____

Breast CA Current Pathological Stage

NED

0 in situ carcinoma

I invasive, LN negative

II invasive, LN positive

IIIA locally advanced, resectable

IIIB locally advanced, non-resectable

IV metastatic

Unknown

Pathology report note: _____

T Stage

TX Primary tumor cannot be assessed

T0 No evidence of primary tumor

Tis Carcinoma in situ: intraductal CA, lobular CA in situ, or Paget's disease

T1 Tumor 2 cm or less in greatest dimension

T2 Tumor more than 2 cm but not more than 5 cm

T3 Tumor more than 5 cm in greatest dimension

T4 Tumor of any size with direct extension to chest wall or skin

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N Stage

- NX Regional lymph nodes cannot be assessed*
- N0 No regional lymph nodes metastasis*
- N1 Metastasis to movable ipsilateral axillary lymph node(s)*
- N2 Metastasis to ipsilateral axillary lymph node(s) fixed to one another or to other*
- N3 Metastasis to ipsilateral internal mammary lymph node(s)*

M Stage

- MX Presence of distant metastasis cannot be assessed*
- M0 No distant metastasis*
- M1 Distant metastasis (includes metastasis to ipsilateral supraclavicular lymph node)*

Nodes Examined: _____

Margins of excision

- positive*
- negative*
- not applicable*
- unknown*

Size of Tumor (cm): _____

of Nodes Positive: _____

Tissue Description

Label	Gross description of Tissue
Part 1:	_____
Part 2:	_____
Part 3:	_____
Part 4:	_____

DNA

- % Cells Diploid:* _____
- G0-G1 Diploid (%):* _____
- S Diploid (%):* _____
- G2-M Diploid (%):* _____
- % Cells Aneuploid:* _____
- G0-G1 Aneuploid (%):* _____
- S Aneuploid (%):* _____
- G2-M Aneuploid (%):* _____
- DNA Index (DI):* _____
- Coefficient of Variation (CV):* _____

Type of Surgery: (related to CA)	Date of Surgery	Tumor Was	Surgeon

Record: 1 of 1

Site of Radiotherapy (organ site treated)	Start Date	Stop Date	Total Time (days)	Total Tumor Dose (cGy/rad):	Best Response	Radiation Therapist

Record: 1 of 1

Chemotherapy	Number of Courses	Start Date	Stop Date	Best Response	Oncologist

Record: 1 of 1

Endocrine Therapy (list individual agents, use generic name)	Start Date	Stop Date	Best Response	Oncologist

Record: 1 of 1

Surgery, Radiation, Chemotherapy, Endocrine

Italicized items are not optional.

Surgery Related to CA

Date of Surgery	Type of Surgery:	Outcome of Surgery:	Surgeon
___/___/___	_____	---	_____
___/___/___	_____	---	_____
___/___/___	_____	---	_____
___/___/___	_____	---	_____
___/___/___	_____	---	_____

Choices for Outcome of Surgery::

1. Biopsied
2. Resected
3. Partially resected
4. Not resected
5. Not found

Radiation Therapy

Therapy Start Date	Therapy Stop Date	Site of Radiotherapy	Radiotherapy Total Time	Total dose of Radiotherapy (cGy/rad):	Best Response to Radiotherapy:	Radiation Therapist
___/___/___	___/___/___	_____	_____	_____	---	_____
___/___/___	___/___/___	_____	_____	_____	---	_____
___/___/___	___/___/___	_____	_____	_____	---	_____
___/___/___	___/___/___	_____	_____	_____	---	_____
___/___/___	___/___/___	_____	_____	_____	---	_____

Choices for Best Response to Radiotherapy::

1. Complete
2. Partial
3. Stable_disease
4. Progression
5. Indeterminate
7. Not applicable (adjuvant)

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Chemotherapy

Start date	Stop date	Chemotherapy Agent:	Chemotherapy, Number of Courses:	Best Response to Chemotherapy:	Medical Oncologist
__/__/__	__/__/__	_____	_____	__	_____
__/__/__	__/__/__	_____	_____	__	_____
__/__/__	__/__/__	_____	_____	__	_____
__/__/__	__/__/__	_____	_____	__	_____
__/__/__	__/__/__	_____	_____	__	_____
__/__/__	__/__/__	_____	_____	__	_____

Choices for Best Response to Chemotherapy::

1. Complete
2. Partial
3. Stable_disease
4. Progression
5. Indeterminate
7. Not applicable (adjuvant)

Endocrine Therapy

Start Date	Stop Date	Endocrine Therapy (list individual agents, use generic name)	Best Response	Medical Oncologist
__/__/__	__/__/__	_____	__	_____
__/__/__	__/__/__	_____	__	_____
__/__/__	__/__/__	_____	__	_____
__/__/__	__/__/__	_____	__	_____
__/__/__	__/__/__	_____	__	_____

Choices for Best Response:

1. Complete
2. Partial
3. Stable_disease
4. Progression
5. Indeterminate
7. Not applicable (adjuvant)

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Date of Assessment		Date of last follow-up contact	
Follow-Patient Status	<input type="text"/>	Date of Death	<input type="text"/>
		Cause of Death	<input type="text"/>
Relapse/progression? [specify site(s)]	<input type="text"/>	(If lost to f/u) Date Last Known Alive	<input type="text"/>
Date of New Primary Breast CA	<input type="text"/>	Date of Relapse/ Progression	<input type="text"/>
Current Clinical Stage	<input type="text"/>		
Current Pathological Stage	<input type="text"/>		
T Stage	<input type="text"/>		
N Stage	<input type="text"/>		
M Stage	<input type="text"/>		
Comments:	<input type="text"/>		

Breast CA F/u

Italicized items are not optional.

Date of Assessment: _____

Follow-Patient Status

- Alive, No evidence of Disease*
- Alive, with disease*
- Alive, disease status unknown*
- Dead, without disease*
- Dead, with disease*
- Dead, disease status unknown*
- Lost to follow-up*

Date of last follow-up contact: _____

Date of Death: _____

Cause of Death: _____

Date Last Known Alive: _____

Date of Relapse: _____

Relapse/progression sites: _____

Current Clinical Stage

- NED*
- 0 in situ carcinoma*
- I invasive, LN negative*
- II invasive, LN positive*
- IIIA locally advanced, resectable*
- IIIB locally advanced, non-resectable*
- IV metastatic*
- Unknown*

Current Pathological Stage

- NED*
- 0 in situ carcinoma*
- I invasive, LN negative*
- II invasive, LN positive*
- IIIA locally advanced, resectable*
- IIIB locally advanced, non-resectable*
- IV metastatic*
- Unknown*

Date of New Primary CA: _____

Comments: _____

T Stage

- TX Primary tumor cannot be assessed*
- T0 No evidence of primary tumor*
- Tis Carcinoma in situ: intraductal CA, lobular CA in situ, or Paget's disease*
- T1 Tumor 2 cm or less in greatest dimension*
- T2 Tumor more than 2 cm but not more than 5 cm*
- T3 Tumor more than 5 cm in greatest dimension*
- T4 Tumor of any size with direct extension to chest wall or skin*

N Stage

- NX Regional lymph nodes cannot be assessed*
- N0 No regional lymph nodes metastasis*
- N1 Metastasis to movable ipsilateral axillary lymph node(s)*

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- N2 Metastasis to ipsilateral axillary lymph node(s) fixed to one another or to other
- N3 Metastasis to ipsilateral internal mammary lymph node(s)

M Stage

- MX Presence of distant metastasis cannot be assessed
- M0 No distant metastasis
- M1 Distant metastasis (includes metastasis to ipsilateral supraclavicular lymph node)

Appendix 2: Breast cases collected, July 1997 to June 1998

Tissue Bank Collections

By Tissue Type

Report Period: 7/97 to 6/98

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		Fresh		fresh distr.
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	
7/2/97	S97-7733	Breast													23
7/9/97	S97-7787	Breast	1		3		4								
7/10/97	S97-7788	Breast	1		4		4			1		1			
7/14/97	S97-7793	Breast	1		3		2								
7/9/97	S97-13661	Breast													23
7/10/97	S97-13835	Breast													23
7/14/97	S97-13980	Breast													23
7/14/97	S97-14012	Breast													23
7/15/97	S97-14061	Breast													23
7/15/97	S97-14149	Breast													23
7/17/97	S97-14308	Breast	1		1		1								
7/17/97	S97-14308	Breast													23
7/22/97	S97-14696	Breast	1									2		2	
7/23/97	S97-14748	Breast	1		1		1								
7/24/97	S97-14835	Breast	1		1		1								
7/30/97	S97-15245	Breast	1		1		1								
8/1/97	S97-15466	Breast	1		1		1								
8/12/97	S97-16199	Breast	1		2		2					2		2	
8/14/97	S97-16373	Breast	1									1		1	
8/18/97	S97-16601	Breast	1		1		1				1			1	
8/19/97	S97-16601	Breast													Saline
8/19/97	S97-16678	Breast													
8/19/97	S97-16678	Breast	1		2		2								
8/20/97	S97-16744	Breast													23
8/22/97	S97-16938	Breast													
8/22/97	S97-16976	Breast	1		1		1								
8/25/97	S97-17031	Breast	1		2		2								
8/25/97	S97-17031	Breast													23
8/25/97	S97-17031	Breast													23
8/25/97	S97-17041	Breast													
8/26/97	S97-17134	Breast	1		2		2								
8/28/97	S97-17313	Breast	1		1		1								
8/28/97	S97-17313	Breast													23

Print Date: 7/16/98

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Tissue Bank Collections

By Tissue Type

Report Period: 7/97 to 6/98

Date	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Fresh Normal	Fresh Tumor	fresh distr.
9/9/97	S97-18053	Breast	1	1	1	1							1	1	RPMI
9/16/97	S97-18598	Breast		1	1										
9/18/97	S97-18774	Breast													
9/18/97	S97-18774	Breast													
9/23/97	S97-19109	Breast													
9/23/97	S97-19141	Breast													
9/24/97	S97-19222	Breast													
9/25/97	S97-19398	Breast	1						2		4				
9/26/97	S97-19412	Breast													
9/26/97	S97-19494	Breast													
9/30/97	S97-19666	Breast													
10/6/97	S97-20120	Breast													
10/21/97	S97-21285	Breast													
12/23/97	S97-21296	Breast	1		1		1								
10/22/97	S97-21418	Breast													
10/28/97	S97-21876	Breast		1	2		2								
11/3/97	S97-22269	Breast		1	2		2								
11/5/97	S97-22518	Breast		1											
11/13/97	S97-23151	Breast		1	2										
11/14/97	S97-23233	Breast		1	3		5								
11/19/97	S97-23553	Breast		1											
11/21/97	S97-23569	Breast		1											
11/20/97	S97-23692	Breast		1	1		1								
11/20/97	S97-23692	Breast													
11/25/97	S97-24058	Breast		1	1		1						1	1	Saline
11/25/97	S97-24087	Breast		1	2		2						1	1	
12/2/97	S97-24541	Breast		1	3		3						1	1	Omn
12/3/97	S97-24608	Breast		1	5		5						1	1	Omn
12/3/97	S97-24608	Breast													
12/3/97	S97-24608	Breast													
12/5/97	S97-24877	Breast													

Tissue Bank Collections

Report Period: 7/97 to 6/98

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Fresh Normal	Fresh Tumor	fresh distr.
12/8/97	S97-24975	Breast	7											1	Ovm
12/9/97	S97-24977	Breast						23							
12/9/97	S97-24991	Breast						23							
12/9/97	S97-25057	Breast								2			1	1	Ovm
12/1/97	S97-25291	Breast	1						1	1					
12/1/97	S97-25291	Breast						23							
12/1/97	S97-25291	Breast						23							
12/1/97	S97-25311	Breast											1	1	Ovm
12/1/97	S97-25311	Breast						23							
12/1/97	S97-25311	Breast						23							
12/12/97	S97-25439	Breast													
12/12/97	S97-25439	Breast	1		5	5									
12/15/97	S97-25573	Breast		1	1	1									
12/15/97	S97-25573	Breast						15							
12/17/97	S97-25790	Breast		1	1	1									
12/17/97	S97-25790	Breast						23							
12/17/97	S97-25790	Breast						23							
12/18/97	S97-25937	Breast						23							
12/18/97	S97-25937	Breast						23							
12/22/97	S97-26159	Breast						23							
12/22/97	S97-26159	Breast						23							
12/23/97	S97-26296	Breast						15							
1/6/98	S98-184	Breast		1	1	1									
1/14/98	S98-184	Breast						23							
1/8/98	S98-441	Breast		1	2	2									
1/13/98	S98-832	Breast		1	1	1			1	1					
1/13/98	S98-857	Breast		1	1	1			1	1					
1/14/98	S98-945	Breast		1	2	2			1	1					
1/14/98	S98-987	Breast		1	2	2			1	1	1				
1/16/98	S98-1141	Breast		1	1	1			1	1					
1/16/98	S98-1176	Breast		1	1	1			1	1					
1/19/98	S98-1324	Breast		1					1	2					

Print Date: 7/16/98

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Tissue Bank Collections

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Fresh Normal	Fresh Tumor	fresh distr.
1/20/98	S98-1345	Breast			1										
1/20/98	S98-1362	Breast		1	2	1			1	1					
1/20/98	S98-1446	Breast		1	2	2			1	1	1				
1/22/98	S98-1640	Breast		1	1	1			1	1					
1/23/98	S98-1713	Breast		1	1	1			1	1	1				
2/2/98	S98-2409	Breast		1					1	1					
2/10/98	S98-3022	Breast													
2/12/98	S98-3148	Breast		1					1	1					
2/16/98	S98-3475	Breast		1	1	1								1	
2/18/98	S98-3703	Breast		1	25	1				1				1	
2/18/98	S98-3703	Breast													
2/18/98	S98-3703	Breast													
2/20/98	S98-3900	Breast		1	2	2									
2/20/98	S98-3900	Breast													
2/23/98	S98-4027	Breast		1	1	1									
3/2/98	S98-4027	Breast													
3/2/98	S98-4481	Breast													
3/2/98	S98-4666	Breast		1											
3/9/98	S98-5141	Breast													
3/11/98	S98-5370	Breast		1	2	2									
3/11/98	S98-5370	Breast													
3/11/98	S98-5370	Breast													
3/16/98	S98-5753	Breast		1	3	3									
3/27/98	S98-6623	Breast		1									1	1	
3/27/98	S98-6623	Breast													
3/31/98	S98-6884	Breast		1	2	2									
3/31/98	S98-6943	Breast		1	1	1									
4/6/98	S98-7061	Breast													
4/6/98	S98-7325	Breast													
4/7/98	S98-7455	Breast		1											
4/7/98	S98-7465	Breast		1	1	1									

Appendix 2

Tissue Bank Collections

By Tissue Type

Report Period: 7/97 to 6/98

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Fresh Normal	Fresh Tumor	fresh distr.
4/7/98	S98-7472	Breast	23												
4/9/98	S98-7743	Breast	1	1	1	1									
4/9/98	S98-7743	Breast	23												
4/14/98	S98-7921	Breast	1	1	1	1							2	5	touch
4/20/98	S98-8386	Breast	15												
4/22/98	S98-8386	Breast	15												
4/21/98	S98-8467	Breast	1	1	1	1							2	5	touch
4/21/98	S98-8467	Breast	23												
4/27/98	S98-8914	Breast	1	1	1	1									
4/28/98	S98-8995	Breast	8												
4/28/98	S98-9060	Breast	2										2	4	touch
4/30/98	S98-9251	Breast	1	1	1	1									
5/1/98	S98-9396	Breast	1	1	1	1									
5/4/98	S98-9500	Breast	1	1	1	1	2	4							
5/7/98	S98-9772	Breast	1	1	1	1									
5/8/98	S98-9892	Breast	1	1	1	1									
5/12/98	S98-10016	Breast	2										2	4	Touch
5/13/98	S98-10105	Breast	1	1	1	1									
5/15/98	S98-10454	Breast	1	1	2	3		23					2	5	touch prep
5/15/98	S98-10484	Breast	2										2	4	Touch
5/15/98	S98-10485	Breast	23												
5/15/98	S98-10542	Breast	1	1	1	1									
5/21/98	S98-10939	Breast	23												
5/21/98	S98-10939	Breast	4												
5/26/98	S98-11171	Breast	2												
5/26/98	S98-11190	Breast	2												
5/29/98	S98-11482	Breast	1	1	1	1							1	5	touch prep
6/2/98	S98-11716	Breast	2												
6/3/98	S98-11856	Breast	8												
6/16/98	S98-12871	Breast	1	1	1	1							1	1	ethanol
6/18/98	S98-13103	Breast	23												

Tissue Bank Collections

By Tissue Type

Report Period: 7/97 to 6/98

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/patrs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Fresh Normal	Fresh Tumor	fresh distr.
6/19/98	S98-13197	Breast	1	1	1	1	1	1	1	1	1	1	6	6	touch prep
6/25/98	S98-13490	Breast											6	6	Touch
6/25/98	S98-13673	Breast											6	6	Touch
BREAST			158	81	125	112	2	1291	32	38	22	23	24	96	

Appendix 2

8/6/97	S97-10916	Lymph node	axillary	1											
7/3/97	S97-13344	Lymph node	axillary			2									
7/21/97	S97-14518	Lymph node	axillary			1				1					
7/21/97	S97-14518	Lymph node	axillary			2									
7/31/97	S97-15413	Lymph node	axillary			1									
7/4/97	S97-15545	Lymph node	axillary					1							
8/20/97	S97-16804	Lymph node	axillary					1							
8/25/97	S97-17054	Lymph node	axillary					1							
9/12/97	S97-18432	Lymph node	axillary					1							
10/24/97	S97-21634	Lymph node	axillary					1							
12/2/97	S97-24538	Lymph node	axillary					1							
1/27/98	S98-1933	Lymph node	axillary					1							
2/11/98	S98-3208	Lymph node	axillary					1							
2/28/98	S98-3882	Lymph node	axillary					1							
2/25/98	S98-4234	Lymph node	axillary					1							
3/6/98	S98-5052	Lymph node	axillary	1					1						
3/6/98	S98-5052	Lymph node	axillary							1					
3/20/98	S98-6114	Lymph node	axillary					2							
4/22/98	S98-8599	Lymph node	axillary					1							
4/24/98	S98-8763	Lymph node	axillary					1							1
LYMPH NODE			20	20	1	4	17	8	1	2	1	1	1	1	

Page 40

7/9/97	S97-7745	Skin	breast										1	1	RPMI
7/9/97	S97-7745	Skin	breast										1	1	RPMI
8/28/97	S97-17358	Skin	breast										2	2	RPMI
9/2/97	S97-17543	Skin	breast										2	2	RPMI
9/17/97	S97-18712	Skin	breast	1			1		1				1	1	RPMI

Tissue Bank Collections

By Tissue Type

Date	Accession Type & No.	Tissue type	Total Cases	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Fresh Normal	Fresh Tumor	fresh distr.
10/31/97	S97-22206	Skin	breast									2		RPMI
11/10/97	S97-22844	Skin	breast										1	RPMI
3/9/98	S98-5134	Skin	breast										2	Saline
3/13/98	S98-5644	Skin	breast										1	Saline
3/31/98	S98-6899	Skin	breast										2	Saline
4/21/98	S98-8525	Skin	breast										2	Saline
4/29/98	S98-9215	Skin	breast										2	Saline
6/17/98	S98-13020	Skin	breast										2	Fresh
6/26/98	S98-13785	Skin	breast										1	Fresh
6/29/98	S98-13965	Skin	breast										2	Fresh
SKIN														
			15	15	1	1		1		1		22		

TOTALS: 193 193 83 129 130 2 1299 34 40 23 24 46 96

Appendix 3: Breast cytology cases collected, July 1997 to June 1998

Cytology Tissue Bank

Report Period: to 6/30/98

Breast related specimens

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
6-5-95	C95-4439 2	FNA BREAST WASH	12	24	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
6-6-95	C95-4489 2	FNA RT BREAST	20	24	FINE NEEDLE ASPIRATE, RIGHT BREAST:
6-8-95	C95-4575 2	LEFT BREAST,	10	23	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
6-15-95	C95-4780 2	RIGHT BREAST,	20	23	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
7-11-95	C95-5377 2	FNA LEFT BREAST	7	25	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
7-14-95	C95-5539 2	FNA LT BREAST WASH	10	24	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
7-17-95	C95-5540	FNA LT BREAST FL	12	24	LEFT BREAST CYST, FINE NEEDLE ASPIRATE:
7-18-95	C95-5632 2	FNA RT BREAST	20	21	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
7-24-95	C95-5810 2	BREAST FNA-FINE	10	21	FINE NEEDLE ASPIRATION, RIGHT BREAST, 2
7-24-95	C95-5814	BREAST FNA	10	21	BREAST, FINE NEEDLE ASPIRATION, LEFT, 9
7-24-95	C95-5825 2	HEAD/NECK WASH	7	21	PARTS 1 + 2 FINE NEEDLE ASPIRATE, SUBGLOTTIC
7-28-95	C95-5975 2	FNA WASH BREAST	10	20	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
8-1-95	C95-6047 2	FNA RT BREAST	3	20	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
8-3-95	C95-6140 2	FNA LT BREAST WASH	2	20	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
8-7-95	C95-6241 2	FNA RT STEREO	17	19	1,2) RIGHT STEREOTACTIC BREAST, FINE NEEDLE
8-7-95	C95-6241 1	FNA RT STEREO	20	19	1,2) RIGHT STEREOTACTIC BREAST, FINE NEEDLE
8-7-95	C95-6257 2	FNA LT BREAST WASH	20	19	1,2) LEFT BREAST, FINE NEEDLE ASPIRATION:
8-11-95	C95-6395 2	FNA RT BREAST	15	19	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
8-14-95	C95-6420	FNA LT BREAST	10	19	LEFT BREAST, FINE NEEDLE ASPIRATE:
8-15-95	C95-6495 2	FNA BREAST WASH	5	18	1) FINE NEEDLE ASPIRATE, AXILLAE, LEFT:
8-15-95	C95-6497 2	FNA LT BREAST	20	18	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
8-18-95	C95-6620 2	FNA LT BREAST WASH	10	18	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
8-23-95	C95-6723	FNA LT BREAST WASH	20	18	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
8-23-95	C95-6759 2	LT BREAST WASH	2	18	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
8-25-95	C95-6844 2	FNA RT BREAST	15	18	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
8-28-95	C95-6858 2	FNA RT BREAST	5	18	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
8-29-95	C95-6897 2	FNA LT BREAST WASH	10	17	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
8-30-95	C95-6986 2	FNA RT BREAST WASH	10	60	SHEETS OF BENIGN DUCT CELLS
9-6-95	C95-7121 2	FNA LT BREAST	20	60	BLOOD AND MACROPHAGES ONLY
9-6-95	C95-7147 2	FNA LT BREAST WASH	20	61	NON-DIAGNOSTIC
9-12-95	C95-7272	FNA RT BREAST	15	17	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:

Cytology Tissue Bank

Breast related specimens

Report Period: to 6/30/98

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
9-12-95	C95-7273 2	FNA LT BREAST 1:00	20	17	1-4) LEFT BREAST, 1:00, 2:00 FINE NEEDLE
9-12-95	C95-7273 4	FNA LT BREAST 2:00	10	17	1-4) LEFT BREAST, 1:00, 2:00 FINE NEEDLE
9-21-95	C95-7693 2	FNA LT BREAST WASH	17	16	1,2) LEFT BREAST, FINE NEEDLE ASPIRATION:
9-28-95	C95-7895 2	FNA RT BREAST	10	16	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
9-28-95	C95-7900 2	FNA LT BREAST WASH	10	16	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
10-4-95	C95-8084 2	BREAST FNA-FINE	5	15	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
10-5-95	C95-8122 2	FNA LT BREAST WASH	10	15	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
10-5-95	C95-8128 2	FNA LEFT BREAST	10	15	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
10-20-95	C95-8564 2	FNA LT BREAST WASH	15	13	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
10-23-95	C95-8668 2	FNA LEFT BREAST	17	13	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
11-1-95	C95-8978	FNA R BREAST	15	12	RIGHT BREAST, FINE NEEDLE ASPIRATE:
11-8-95	C95-9210	FNA LT BREAST FLUID	5	11	LEFT BREAST, FINE NEEDLE ASPIRATE:
11-10-95	C95-9261 2	FNA LT BREAST WASH	15	10	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
11-10-95	C95-9262 2	FNA LT BREAST WASH	20	10	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
11-20-95	C95-9534	RT BREAST CYST	15	9	RIGHT BREAST CYST ASPIRATION:
11-22-95	C95-9601 2	LEFT BREAST; FINE	15	9	1+2) FINE NEEDLE ASPIRATION; LEFT BREAST:
12-4-95	C95-9840	FNA RT BREAST	5	8	RIGHT BREAST, FINE NEEDLE ASPIRATE:
12-7-95	C95-10032 2	FNA RT BREAST	7	8	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
12-18-95	C95-10289	FNA RT BREAST	15	7	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
12-19-95	C95-10375	FNA LT BREAST	15	6	LEFT BREAST, FINE NEEDLE ASPIRATE:
1-2-96	C96-8	FNA RT BREAST	20	5	RIGHT BREAST, FINE NEEDLE ASPIRATE:
1-4-96	C96-77 2	FNA RT BREAST	15	5	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
1-10-96	C96-197	FNA LT BREAST	10	4	LEFT BREAST, FINE NEEDLE ASPIRATE:
1-11-96	C96-221 2	FNA LT BREAST WASH	20	4	LEFT BREAST, FINE NEEDLE ASPIRATE:
1-12-96	C96-283	FNA RT BREAST	15	4	RIGHT BREAST, FINE NEEDLE ASPIRATE:
1-17-96	C96-412	FNA LT BREAST ASP.	5	5	LEFT BREAST, FINE NEEDLE ASPIRATE:
1-17-96	C96-415 2	BREAST FNA-FINE	10	1	1,2) BREAST, FINE NEEDLE ASPIRATE:
1-24-96	C96-634	FNA RT BREAST	10	2	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
1-31-96	C96-885	FNA RT BREAST	20	1	RIGHT BREAST, FINE NEEDLE ASPIRATE:
1-31-96	C96-886 2	FNA LT BREAST WASH	10	1	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
2-5-96	C96-1062	LEFT BREAST CYST	15	1	LEFT BREAST CYST FLUID:

Cytology Tissue Bank

Report Period: to 6/30/98

Breast related specimens

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
2-13-96	C96-1291	FNA RT BREAST	1	3	RIGHT BREAST, FINE NEEDLE ASPIRATE:
2-15-96	C96-1402	FNA RT BREAST	3	3	RIGHT BREAST, FINE NEEDLE ASPIRATE:
2-22-96	C96-1566 2	FNA RT BREAST	5	3	1,2) RIGHT BREAST, FINE NEEDLE ASPIRATE:
2-23-96	C96-1617	FNA RT BREAST	15	4	RIGHT BREAST, FINE NEEDLE ASPIRATE:
3-6-96	C96-1965 2	FNA LEFT BREAST	10	27	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
3-26-96	C96-2576	LT BREAST NIPPLE	2	29	LEFT BREAST NIPPLE DISCHARGE:
4-10-96	C96-2990	Part: 1 FNA LEFT	17	31	1,2) LEFT BREAST, FINE NEEDLE ASPIRATE:
4-17-96	C96-3278	BREAST FNA-FINE	17	32	RIGHT BREAST SMEAR; FINE NEEDLE ASPIRATION:
4-18-96	C96-3325	LT BREAST CYST	12	32	-SEVERELY ATYPICAL CELLS (SEE NOTE)
4-25-96	C96-3507	FNA LEFT BREAST	20	32	- NEGATIVE FOR MALIGNANT CELLS
5-1-96	C96-3656	FNA RIGHT BREAST	5	33	- HIGHLY ATYPICAL NON-COHESIVE EPITHELIAL
5-9-96	C96-3938 2	FNA LEFT BREAST	17	34	- FEW BARE NUCLEI
5-9-96	C96-3947 2	FNA RIGHT BREAST	17	34	- POSITIVE: ADENOCARCINOMA CONSISTENT WITH
5-10-96	C96-3949 2	FNA RIGHT BREAST	15	34	- POSITIVE: ADENOCARCINOMA
5-13-96	C96-4028 2	FNA RIGHT BREAST	15	35	- MARKEDLY CELLULAR SPECIMEN SHOWING MIXED
5-16-96	C96-4178	FNA RIGHT BREAST	2	34	- POSITIVE FOR MALIGNANT CELLS
5-20-96	C96-4230	FNA LEFT BREAST	20	34	
5-22-96	C96-4326	FNA RIGHT BREAST	20	34	- NEGATIVE FOR MALIGNANT CELLS
5-23-96	C96-4403 2	FNA LEFT BREAST	20	36	- NEGATIVE FOR MALIGNANT CELLS
5-29-96	C96-4508 2	FNA LEFT BREAST	20	36	- POSITIVE FOR MALIGNANT CELLS (SEE NOTE)
6-3-96	C96-4615	FNA LEFT BREAST	20	37	- MARKED PURULENT EXUDATE CONSISTENT WITH
6-4-96	C96-4649 2	FNA RIGHT BREAST	10	37	- POSITIVE FOR MALIGNANT CELLS CONSISTENT
6-5-96	C96-4728	BREAST FNA-FINE	7	37	-CONTENTS OF CYST
6-6-96	C96-4768 2	BREAST FNA-FINE	17	37	POSITIVE: DUCTAL CARCINOMA WITH APOCRINE
6-10-96	C96-4834	RIGHT BREAST CYST	5	38	-SCATTERED SMALL CLUSTERS OF EPITHELIAL
6-11-96	C96-4839	BREAST FLUID	10	38	-NEGATIVE FOR MALIGNANT CELLS.
6-11-96	C96-4880 2	FINE NEEDLE	15	38	-NEGATIVE FOR MALIGNANT CELLS.
6-13-96	C96-4972 2	FNA RIGHT BREAST	20	38	-MARKEDLY CELLULAR SPECIMEN WITH CYTOLOGIC
6-13-96	C96-4977 2	FNA; RIGHT BREAST	20	38	-FEATURES CONSISTENT WITH LACTATIONAL
6-13-96	C96-4979	FNA; RIGHT BREAST	15	38	-NEGATIVE FOR MALIGNANT CELLS.
6-17-96	C96-5043	BREAST CYST FLUID	10	39	- NEGATIVE FOR MALIGNANT CELLS

Cytology Tissue Bank

Report Period: to 6/30/98

Breast related specimens

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
6-20-96	C96-5169	FNA RT BREAST FLUID	10	42	- NEGATIVE FOR MALIGNANT CELLS
6-27-96	C96-5374	FNA BREAST WASH	20	43	- VIRTUALLY ACELLULAR SPECIMEN
7-8-96	C96-5607 2	FNA LT BREAST WASH	20	40	- POSITIVE FOR MALIGNANT CELLS
7-11-96	C96-5755 2	FNA LT BREAST WASH	12	41	- FRAGMENTS OF FAT WITH A SUGGESTION OF FAT
7-15-96	C96-5827 2	FNA LT BREAST WASH	20	41	- PURULENT EXUDATE CONSISTENT WITH ABSCESS.
7-17-96	C96-5906 2	FNA LT BREAST WASH	20	41	- INADEQUATE SPECIMEN: FEW SQUAMOUS CELLS
7-18-96	C96-5935 2	FNA RIGHT BREAST	15	41	- PAUCICELLULAR SPECIMEN
7-18-96	C96-5966	FNA LT BREAST WASH	12	39	- CONTENTS OF A CYST AND FEW GROUPS OF
7-24-96	C96-6102 2	FNA LT BREAST WASH	10	39	-POSITIVE: DUCTAL CARCINOMA.
8-1-96	C96-6394	BREAST FNA-FINE	20	42	-NON-DIAGNOSTIC. SPECIMEN CONSISTS OF
8-1-96	C96-6396 2	BREAST FNA-FINE	20	42	-NEGATIVE FOR MALIGNANT CELLS.
8-2-96	C96-6455 2	RIGHT BREAST 11:00;	13	45	- NEGATIVE FOR MALIGNANT CELLS
8-8-96	C96-6590 2	FNA LT BREAST WASH	17	44	- NEGATIVE FOR MALIGNANT CELLS
8-8-96	C96-6634	FNA LT BREAST FLUID	20	44	- NEGATIVE FOR MALIGNANT CELLS
8-14-96	C96-6806 2	FNA LT BREAST WASH	20	45	- POSITIVE FOR MALIGNANT CELLS (SEE NOTE)
8-15-96	C96-6857 2	FNA RT BREAST WASH	15	46	- POSITIVE FOR MALIGNANT CELLS
8-19-96	C96-6921	LEFT BREAST CYST	20	46	- NEGATIVE FOR MALIGNANT CELLS
8-20-96	C96-6982	FNA LT BREAST WASH	20	46	- MARKEDLY ATYPICAL DUCT CELLS ARE PRESENT
9-4-96	C96-7385 1	FNA LT BREAST 3:00	20	48	- MARKED PURULENT EXUDATE CONSISTENT WITH
9-4-96	C96-7385 3	FNA LT BREAST 2:00	20	48	- MARKED PURULENT EXUDATE CONSISTENT WITH
9-5-96	C96-7421	FNA RT BREAST FLUID	16	48	- CYSTIC CONTENTS AND APOCRINE CELLS
9-5-96	C96-7463 2	FNA RT BREAST WASH	18	48	FEW GROUPS OF CYTOLOGICALLY BLAND BREAST
9-6-96	C96-7484 2	FNA RT BREAST WASH	15	48	- INADEQUATE FOR PROPER EVALUATION (NO
9-6-96	C96-7485 2	FNA BREAST WASH	10	48	- SCATTERED GROUPS OF CYTOLOGICALLY BLAND
9-9-96	C96-7572 2	RT BREAST CYST	20	49	- NUMEROUS NEUTROPHILS, POSSIBLY
9-13-96	C96-7784	FNA RT BREAST FLUID	10	49	- NEGATIVE FOR MALIGNANT CELLS
9-18-96	C96-7890 2	FNA LT BREAST WASH	10	50	- NEGATIVE FOR MALIGNANT CELLS
9-27-96	C96-8312 2	FNA LT BREAST WASH	10	51	- POSITIVE FOR MALIGNANT CELLS
10-1-96	C96-8384 2	FNA RT BREAST WASH	20	51	- NEGATIVE FOR MALIGNANT CELLS
10-2-96	C96-8457 2	FNA LT BREAST WASH	15	51	- NEGATIVE FOR MALIGNANT CELLS
10-3-96	C96-8463	FNA LT BREAST FLUID	15	51	- NEGATIVE FOR MALIGNANT CELLS

Cytology Tissue Bank

Breast related specimens

Report Period: to 6/30/98

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
10-8-96	C96-8673 2	FNA LT BREAST WASH	52	52	- SEVERELY ATYPICAL CELLS (SEE NOTE)
10-10-96	C96-8784 2	BREAST FNA-FINE	20	52	-POSITIVE FOR MALIGNANT CELLS
10-16-96	C96-9030 2	FNA LT BREAST WASH	20	53	- NEGATIVE FOR MALIGNANT CELLS
10-17-96	C96-9076 2	FNA LT BREAST WASH	15	53	- NEGATIVE FOR MALIGNANT CELLS
10-21-96	C96-9168	RT BREAST FLUID	2	54	- NEGATIVE FOR MALIGNANT CELLS
10-29-96	C96-9460 2	FNA LT BREAST WASH	10	56	SEVERELY ATYPICAL CELLS (SEE NOTE)
10-31-96	C96-9546 2	FNA LT BREAST WASH	17	56	SEVERELY ATYPICAL CELLS
11-7-96	C96-9803 2	RIGHT BREAST WASH	20	56	NON-DIAGNOSTIC.
11-12-96	C96-9891	FNA LT BREAST FLUID	10	57	NEGATIVE FOR MALIGNANT CELLS
11-14-96	C96-10050 2	FNA RT BREAST WASH	20	57	POSITIVE FOR MALIGNANT CELLS
11-19-96	C96-10189	FNA RT BREAST FLUID	17	58	-RARE SMALL CLUSTERS OF APOCRINE-TYPE CELLS
11-25-96	C96-10336 2	FINE NEEDLE	1	59	GROUPS OF CYTOLOGICALLY BLAND DUCTAL
11-25-96	C96-10340 2	FNA; LEFT BREAST	10	59	CELLULAR SMEAR COMPOSED OF MARKEDLY
11-26-96	C96-10427 2	FNA RT BREAST WASH	1	59	MODERATELY ATYPICAL EPITHELIAL CELLS (SEE
12-9-96	C96-10769 2	BREAST FNA-FINE	20	63	NON-DIAGNOSTIC DUE TO INSUFFICIENT
12-17-96	C96-11045	FNA RT BREAST FLUID	10	64	NEGATIVE FOR MALIGNANT CELLS
12-17-96	C96-11059 2	FNA RT BREAST WASH	20	64	SEVERELY ATYPICAL CELLS (SEE NOTE)
12-18-96	C96-11108 2	FNA RT BREAST WASH	10	64	: This patient shows clusters of atypical ductal cells
12-26-96	C96-11350	FNA LT BREAST FLUID	15	65	NEGATIVE FOR MALIGNANT CELLS
1-7-97	C97-91	FNA RT BREAST FLUID	20	65	CYSTIC FEATURES AND DUCTAL CELLS EXHIBITING
1-9-97	C97-278	FNA RT BREAST FLUID	15	66	TOO FEW CELLS PRESENT FOR ADEQUATE
1-13-97	C97-468	FNA LT BREAST FLUID	17	66	NEGATIVE FOR MALIGNANT CELLS
1-13-97	C97-475 2	FNA LT BREAST WASH	15	66	CELLULAR SMEARS SHOW NUMEROUS
1-22-97	C97-968 2	FNA RT BREAST WASH	20	70	DEGENERATED CELLULAR DEBRIS AND RARE
1-22-97	C97-969 2	FNA LT BREAST WASH	15	70	NEGATIVE FOR MALIGNANT CELLS.
1-22-97	C97-970 2	FNA LT BREAST WASH	10	70	POSITIVE FOR MALIGNANT CELLS CONSISTENT
1-23-97	C97-1076	FNA RT BREAST FLUID	20	70	NEGATIVE FOR MALIGNANT CELLS.
1-23-97	C97-1076	FNA RT BREAST FLUID	20	70	NEGATIVE FOR MALIGNANT CELLS.
1-24-97	C97-1171	FNA BREAST	10	70	CLUSTERS OF EPITHELIAL CELLS ARE PRESENT IN A
2-13-97	C97-2203 2	FNA RT BREAST WASH	17	75	NEGATIVE FOR MALIGNANT CELLS
3-13-97	C97-3685 2	BREAST FNA-FINE	3	79	NON DIAGNOSTIC DUE TO INSUFFICIENT

Cytology Tissue Bank

Breast related specimens

Report Period: to 6/30/98

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
5-5-97	C97-6454 2	FNA LT BREAST WASH	20	79	NEGATIVE FOR MALIGNANT CELLS
5-8-97	C97-6643	FNA LT BREAST FLUID	15	79	NEGATIVE FOR MALIGNANT CELLS
5-13-97	C97-6954 2	FNA LT BREAST WASH	2	79	NON-DIAGNOSTIC
5-19-97	C97-7349 2	FNA RT BREAST WASH	3	79	CELLULAR CLUSTERS OF DUCTAL EPITHELIAL CELLS
5-22-97	C97-7627 2	FNA LT BREAST WASH	10	79	POSITIVE FOR MALIGNANT CELLS
5-22-97	C97-7629 2	FNA RT BREAST WASH	3	81	NEGATIVE FOR MALIGNANT CELLS
6-4-97	C97-8141 2	FNA LT BREAST WASH	2	81	NEGATIVE FOR MALIGNANT CELLS
6-10-97	C97-8492 2	FNA LT BREAST WASH	2	81	FIBROADIPOSE TISSUE ONLY
6-10-97	C97-8553 2	FNA RT BREAST WASH	20	81	CYSTIC CONTENTS AND SCATTERED ATYPICAL
6-13-97	C97-8837 2	FNA RT BREAST WASH	2	81	HIGH CELLULARITY
6-16-97	C97-8853 2	FNA LT BREAST WASH	2	81	ABUNDANT BENIGN DUCTAL EPITHELIUM
6-19-97	C97-9183 2	FNA LT BREAST WASH	15	81	CLUSTERS OF POORLY PRESERVED DUCTAL CELLS
6-20-97	C97-9271 2	FNA LT BREAST WASH	10	81	POSITIVE FOR MALIGNANT CELLS
10-10-97	C97-16736 2	BREAST; MIDDLE	10	88	NON-DIAGNOSTIC DUE TO INSUFFICIENT
10-14-97	C97-16972 2	LT BREAST; FNA	3	88	NEGATIVE FOR MALIGNANT CELLS.
10-30-97	C97-19025 2	FNA LT BREAST WASH	15	88	AGGREGATES OF ATYPICAL DUCTAL CELLS WHICH
11-6-97	C97-19962 2	FNA RT BREAST 11:00	15	91	ACELLULAR SPECIMEN.
11-11-97	C97-20560 2	FNA LT BREAST WASH	20	91	NON-DIAGNOSTIC DUE TO INSUFFICIENT
11-18-97	C97-21876 2	FNA RT BREAST WASH	15	91	NEGATIVE FOR MALIGNANT CELLS.
12-19-97	C97-27153 2	FNA RT BREAST WASH	3	91	NEGATIVE FOR MALIGNANT CELLS.
12-22-97	C97-27368 2	BREAST FNA WASH	3	91	NEGATIVE FOR MALIGNANT CELLS
1-2-98	C98-51 2	LEFT BREAST FNA	3	92	ADIPOSE TISSUE AND FEW GROUPS OF
1-5-98	C98-211 2	FNA RT BREAST	3	92	ADIPOSE TISSUE ONLY.
1-20-98	C98-3104 2	FNA LT BREAST WASH	2	92	CELLULAR FRAGMENTS OF EPITHELIOID CELLS
2-2-98	C98-5184 2	FNA LT BREAST WASH	20	92	NO EVIDENCE OF MALIGNANCY IN SPECIMEN
2-9-98	C98-6298	FNA RT BREAST FLUID	20	93	FAVOR PAPILLARY LESION (SEE NOTE).
3-4-98	C98-10275 2	FNA RT BREAST WASH	3	93	NEGATIVE FOR MALIGNANT CELLS.
4-7-98	C98-16114 2	FNA RT BREAST WASH	5	93	POSITIVE FOR MALIGNANT CELLS.
4-9-98	C98-16746 2	FNA LT BREAST WASH	5	94	-COHESIVE CLUSTERS OF BENIGN-APPEARING
4-9-98	C98-16747 2	FNA RT BREAST	15	94	NEGATIVE FOR MALIGNANT CELLS.
4-27-98	C98-19439 2	FNA RT BREAST WASH	20	94	

Cytology Tissue Bank

Report Period: to 6/30/98

Breast related specimens

Date Frozen	Accession # & part #	Tissue type	Cytology Volume	Cytology Box #	Diagnosis
5-4-98	C98-20770 2	FNA LT BREAST WASH	3	94	NEGATIVE FOR MALIGNANT CELLS.
Totals:	187 Cases	available			

Appendix 4: Breast cases distributed from frozen samples

Program for Critical Technologies Tissue Distribution Report "TB"

Report Period: 7/97 - 6/98

(Samples distributed from tissue bank)

Tissue Type	Accession #	Dist. Date	Non-frozen Normal	Non-frozen Tumor	OCT Normal Whole Tube Sect.	OCT Tumor Whole Tube Sect.	FS Slide Normal	FS Slide Tumor	Snap Normal	Snap Tumor
CROTTY, PAUL										
Breast	S97-18053	9/9/97	1	1						
Breast	1 Cases 2 Whole Tube	Sect	1	1						
Total for PI	1 Cases 2 Whole Tube	Sect	1	1						
DECAMILLI, PIETRO										
Breast	A97-196	10/15/97			1					
Breast	S95-14172	10/15/97			1					
Breast	S95-15465	10/15/97			1					
Breast	S95-16562	10/15/97			1					
Breast	S96-1171	10/15/97			1					
Breast	S96-2709	10/15/97			1					
Breast	S96-5078	10/15/97			1					
Breast	S96-5683	10/15/97			1					
Breast	S96-7376	10/15/97			1	1				
Breast	S96-8966	10/15/97			1					
Breast	S96-11227	10/15/97			1					
Breast	S96-11434	10/15/97			1					
Breast	S96-11690	11/11/97			1	1				
Breast	S96-12529	10/15/97			1					
Breast	S96-13317	10/15/97			1	1				
Breast	15 Cases 15 Whole Tube	Sect			12	3				
Total for PI	15 Cases 15 Whole Tube	Sect			12	3				
HANDSCHUMACHER, ROBERT										
Breast	S97-7787	7/9/97				1				

Print Date: 7/17/98

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Program for Critical Technologies Tissue Distribution Report "TB"

Report Period: 7/97 - 6/98

(Samples distributed from tissue bank)

Tissue Type	Accession #		Dist. Date	Non-frozen Normal	Non-frozen Tumor	OCT Normal Whole Tube Sect.	OCT Tumor Whole Tube Sect.	FS Slide		Snap	
	1	Whole						Normal	Tumor	Normal	Tumor
Breast	1	Cases	1	Whole	Tube	Sect					
Total for PI	1	Cases	1	Whole	Tube	Sect					
HOCHBERG, RICHARD											
Breast			S97-7731			7/1/97			8		
Breast			S97-7733			7/2/97			8		
Breast			S97-13661			7/9/97			8		
Breast			S97-14012			7/14/97			8		
Breast		slides	S97-14061			7/15/97			8		
Breast			S97-14149			7/15/97			8		
Breast		slides	S97-16601			8/19/97			8		
Breast			S97-16744			8/20/97			8		
Breast			S97-17031			8/25/97			8		
Breast			S97-17041			8/25/97			8		
Breast			S97-17313			8/28/97			8		
Breast			S97-18774			9/18/97			8		
Breast			S97-19109			9/23/97			8		
Breast			S97-19141			9/23/97			8		
Breast			S97-19222			9/24/97			8		
Breast			S97-19412			9/26/97			8		
Breast			S97-19666			9/30/97			8		
Breast			S97-20120			10/6/97			8		
Breast			S97-21418			10/22/97			8		
Breast			S97-24608			12/3/97			8		
Breast			S97-24608			12/3/97			8		
Breast			S97-24977			12/9/97			8		
Breast			S97-24991			12/9/97			8		

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Program for Critical Technologies Tissue Distribution Report "TB"

Report Period: 7/97 - 6/98

(Samples distributed from tissue bank)

Tissue Type	Accession #	Dist. Date	Non-frozen Normal	Non-frozen Tumor	OCT Normal Whole Tube Sect.	OCT Tumor Whole Tube Sect.	FS Slide Normal	FS Slide Tumor	Snap Normal	Snap Tumor
Breast	S97-25291	12/11/97					8			
Breast	S97-25291	1/14/98					8			
Breast	S97-25311	12/11/97					8			
Breast	S97-25311	1/14/98		mass			8			
Breast	S97-25790	12/17/97					8			
Breast	S97-25790	1/14/98					8			
Breast	S97-25937	12/18/97					8			
Breast	S97-25937	1/16/98					8			
Breast	S97-26159	12/22/97					8			
Breast	S97-26159	12/22/97		mass			8			
Breast	S98-184	1/14/98					8			
Breast	S98-1713	2/6/98					8			
Breast	S98-3022	2/10/98					8			
Breast	S98-3703	2/18/98					8			
Breast	S98-3703	2/18/98					8			
Breast	S98-3900	2/20/98					8			
Breast	S98-4027	2/23/98					8			
Breast	S98-4481	2/27/98					8			
Breast	S98-5141	3/9/98		mass			8			
Breast	S98-5370	3/18/98					8			
Breast	S98-7061	4/6/98					8			
Breast	S98-7325	4/6/98					8			
Breast	S98-7472	4/7/98					8			
Breast	S98-7743	4/9/98					8			
Breast	47 Cases	0 Whole	0 Whole	0 Whole	0 Whole	0 Whole	376	376	376	376
Total for PI	47 Cases	0 Whole	0 Whole	0 Whole	0 Whole	0 Whole	376	376	376	376

Program for Critical Technologies Tissue Distribution Report "TB"

Report Period: 7/97 - 6/98

(Samples distributed from tissue bank)

Tissue Type	Accession #	Dist. Date	Non-frozen Normal	Non-frozen Tumor	OCT Normal Whole Tube Sect.	OCT Tumor Whole Tube Sect.	FS Slide Normal	FS Slide Tumor	Snap Normal	Snap Tumor
HUJ, PEI										
Breast	S98-1141	1/16/98							1	1
Breast	S98-1176	1/16/98							1	1
Breast	S98-1324	1/19/98							1	1
Breast	S98-1362	1/20/98							1	1
Breast	S98-1446	1/20/98							1	1
Breast	S98-1640	1/22/98							1	1
Breast	6 Cases	11 Whole	6	11	6	11	6	5	5	6
Total for PI										
6 Cases 11 Whole 6 11 6 11 6 5 5 6										
KACINSKI, BARRY										
Breast	S97-16373	8/14/97	1	1						
Breast	S97-24087	11/25/97	1	1						
Breast	S97-24541	12/2/97	1	1						
Breast	S97-24608	12/3/97	1	1						
Breast	S97-24975	12/8/97		1						
Breast	S97-25057	12/9/97	1	1						
Breast	S97-25311	12/11/97	1	1						
Breast	S98-1362	1/20/98		1						
Breast	S98-1640	1/22/98		1						
Breast	S98-3475	2/16/98	1	1						
Breast	10 Cases	17 Whole	7	10	7	10	7	5	5	6
Total for PI										
10 Cases 17 Whole 7 10 7 10 7 5 5 6										
KUCHERLAPATI, MIMI										
Breast	S96-167	8/27/97							1	1

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Program for Critical Technologies Tissue Distribution Report "TB"

Report Period: 7/97 - 6/98

(Samples distributed from tissue bank)

Tissue Type	Accession #	Dist. Date	Non-frozen Normal	Non-frozen Tumor	OCT Normal		OCT Tumor		FS Slide		Snap	
					Whole	Tube Sect.	Whole	Tube Sect.	Normal	Tumor	Normal	Tumor
Breast	S96-2704	8/27/97					1	1				
Breast	S96-4104	8/27/97					1	1				
Breast	3 Cases	0 Whole	3 Tube	3 Sect			3	3				
Total for PI	3 Cases	0 Whole	3 Tube	3 Sect			3	3				
PIZZORNO, GUISEPPE												
Breast	S97-24058	11/25/97	1	1								
Breast	S97-24608	12/3/97	1	1								
Breast	S97-24975	12/8/97		1								
Breast	S98-3703	2/18/98										1
Breast	4 Cases	6 Whole	2 Tube	3 Sect			2	3				1
Total for PI	4 Cases	6 Whole	2 Tube	3 Sect			2	3				1
REISS, MICHAEL												
Breast	S96-5683	11/11/97									1	11
Breast	S96-5683	12/7/97									1	11
Breast	S96-6365	11/11/97									1	11
Breast	S96-6365	12/7/97									1	11
Breast	S96-7457	11/11/97									1	11
Breast	S96-7457	12/7/97									1	11
Breast	S96-8335	11/11/97									1	11
Breast	S96-8335	12/7/97									1	11
Breast	S96-10337	11/11/97									1	11
Breast	S96-10337	12/7/97									1	11
Breast	S96-10541	11/11/97									1	11
Breast	S96-10541	12/7/97									1	11

Program for Critical Technologies Tissue Distribution Report "TB"

Report Period: 7/97 - 6/98

(Samples distributed from tissue bank)

Tissue Type	Accession #	Dist. Date	Non-frozen Normal	Non-frozen Tumor	OCT Normal Whole Tube Sect.	OCT Tumor Whole Tube Sect.	FS Slide Normal	FS Slide Tumor	Snap Normal	Snap Tumor
Breast	S96-10630	11/11/97			1	11				
Breast	S96-10630	12/7/97			1	11				
Breast	S96-10704	11/11/97			1	11				
Breast	S96-10704	12/7/97			1	11				
Breast	S96-11631	11/11/97			1	11				
Breast	S96-11631	12/7/97			1	11				
Breast	S96-11690	11/11/97			1	11				
Breast	S96-11690	12/7/97			1	11				
Breast	S98-7921	4/14/98	2	5						
Breast	S98-8467	4/21/98	2	5						
Breast	22 Cases	14 Whole	4	10	20	220				
Total for PI	22 Cases	14 Whole	4	10	20	220				
Grand Total	109 Cases	66 Whl	14	24	12	4	23	223	5	7

Appendix 5: Frozen breast tissue available

Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
2/12/93	* S93-2570	Breast	1	1	1	1	0	0	0	0				
2/15/93	S93-2661	breast	1	1	1	1	1	1	1	1				
2/17/93	S93-2790	Breast	1	1	1	1	1	1	1	1				
2/17/93	S93-2804	breast	1	1	1	1	1	1	1	0				
2/19/93	S93-2959	breast	1	1	1	1	1	1	1	1				
3/5/93	S93-3831	Breast	1	1	1	1	1	1	1	1				
3/8/93	S93-3935	breast	1	1	1	1	1	1	1	1				
3/12/93	S93-4279	Breast	1	1			1	1	1	1				
3/18/93	S93-4675	Breast	1	1			1	1	1	1				
3/22/93	S93-4776	Breast												
3/25/93	S93-5036	breast	1	1	1	1	1	1	1	1				
3/26/93	S93-5105	breast	1	1	1	1	1	1	1	1				
4/6/93	* S93-5700	breast	1	1			1	1	1	1				
4/6/93	S93-5860	breast	1	1	1	1	1	1	1	1				
4/12/93	* S93-6026	breast	1	1	1	1	1	1	1	1				
4/16/93	S93-6323	breast												
4/21/93	S93-6575	breast	1	1	3	4	2	4	2	4				
4/29/93	S93-7087	breast				1	1							
5/00/93	S93-7718	breast				1	1			1				
5/05/93	S93-8598	breast				2	2			1				
7/6/93	S93-11023	Breast				1	1			1				
7/24/93	S93-11600	Breast	1	1	1	1	1	1	1	1				
7/25/93	S93-11721	Breast	1	1	1	1	1	2	1	1				
7/27/93	S93-12403	Breast				1	1			1				
8/2/93	S93-12734	Breast				1	1			1				
8/2/93	S93-12800	Breast				1	1			1				
8/2/93	S93-12894	Breast				1	1			1				
8/2/93	S93-13145	Breast								1				
8/2/93	S93-13630	Breast	1	1	4	2	3	3	3	0				
08/23/93	S93-13998	Breast	1	1			2	2	2	1				

* Tissue samples are available for this patient from multiple cases and/or parts.

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pats	OCT		Slide		Snap		Paraffin		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor		
08/30/93	S93-14328	Breast				2										
08/30/93	S93-14357	Breast					8									
08/31/93	S93-14458	Breast	1							1						
09/07/93	S93-14743	Breast														
09/07/93	S93-14827	Breast														
09/08/93	S93-14850	Breast														
9/21/93	S93-15607	Breast								0					5	
9/29/93	S93-16089	Breast	1							2					0	
10/5/93	S93-16331	Breast														
10/11/93	S93-16650	Breast	1												1	
10/11/93	S93-16676	Breast														
11/10/93	S93-18541	Breast	1													
11/10/93	S93-18548	Breast														
11/30/93	S93-19650	Breast														
11/30/93	S93-19660	Breast														
11/30/93	S93-19661	Breast	1													
11/30/93	S93-19699	Breast														
12/9/93	S93-20068	Breast	1													
12/09/93	S93-20263	Breast	1													
12/09/93	S93-20268	Breast	1													
12/20/93	S93-20934	Breast														
12/20/93	S93-20981	Breast														
1/10/94	S94-439	Breast														
1/13/94	* S94-679	Breast														
1/28/94	* S94-1665	Breast	1													
2/15/94	* S94-1799	Breast														
2/19/94	* S94-1799	Breast														
2/7/94	* S94-2137	Breast														
2/7/94	* S94-2186	Breast	1													
2/10/94	* S94-2455	Breast	1													

* Tissue samples are available for this patient from multiple cases and/or parts.

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA Normal	DNA Tumor
2/11/94	* S94-2510	Breast							1						
2/15/94	* S94-2608	Breast							1						
2/15/94	S94-2673	Breast										1			
2/17/94	S94-2792	Breast	1						2			1			
2/22/94	* S94-3094	Breast								2					
2/23/94	* S94-3146	Breast	1		2				2			0			
3/1/94	* S94-3527	Breast								4		3			
3/7/94	S94-3815	Breast									1				0
3/7/94	S94-3826	Breast										1			
3/9/94	* S94-3966	Breast	1		4				2			2			3
3/9/94	* S94-3972	Breast								2					
3/9/94	* S94-3989	Breast	1		3				0			3			2
3/22/94	S94-4814	Breast								2					
3/25/94	S94-5054	Breast	1		4				3						
3/25/94	S94-5074	Breast	1		5				3			0			
3/28/94	S94-5176	Breast	1		1				1						
3/28/94	* S94-5198	Breast	1		2				1						
4/12/94	* S94-6096	Breast	1		5				0			0			
4/12/94	S94-6154	Breast				1									
4/15/94	S94-6301	Breast										8			
4/15/94	S94-6374	Breast													
5/11/94	* S94-8130	Breast													
5/16/94	S94-8349	Breast										1			
6/3/94	* S94-9518	Breast	1		5				11						-1
6/10/94	* S94-10033	Breast	1		1				1						
6/14/94	S94-10172	Breast	1		1				1						0
6/15/94	S94-10235	Breast			4										
7/6/94	* S94-11472	Breast	1		3				2						
7/8/94	S94-11688	Breast	1		2				2						
7/15/94	* S94-12104	Breast													

* Tissue samples are available for this patient from multiple cases and/or parts.

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		Paraffin		Cytology		DNA		
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor			
7/15/94	* S94-12126	Breast	1	1	1	1													
7/15/94	S94-12136	Breast	1	1	1	1													
7/22/94	* S94-12603	Breast	1	1	1	1													
7/26/94	S94-12778	Breast																	
7/27/94	S94-12912	Breast	1	1	2	2													
8/1/94	S94-13117	Breast	1	1	1	1													
8/2/94	S94-13199	Breast	1	1	1	1													
8/9/94	S94-13631	Breast	1	1						1									
8/11/94	* S94-13831	Breast			1	1													
8/31/94	S94-15063	Breast	1	1	1	1													
9/2/94	* S94-15249	Breast																	
9/2/94	* S94-15249	Breast																	
9/16/94	* S94-15938	Breast																	
9/21/94	* S94-16244	Breast			1	1													
9/21/94	* S94-16244	Breast	1	1	1	1													
10/7/94	S94-17299	Breast																	
10/10/94	S94-17390	Breast																	
10/13/94	S94-17451	Breast	1	1						1									
10/13/94	S94-17659	Breast																	
10/17/94	S94-17822	Breast	1	1	3	2													
10/17/94	* S94-17899	Breast	1	1	2	1													
10/18/94	* S94-17899	Breast																	
10/31/94	S94-18677	Breast	1	1	2	3				0									
11/1/94	* S94-18820	Breast			1														
11/1/94	* S94-18820	Breast																	
11/1/94	* S94-18820	Breast																	
11/3/94	S94-18988	Breast	1	1	2	6				0									
11/3/94	S94-19004	Breast	1	1	1	1													
11/7/94	S94-19163	Breast	1	1	2	2													
11/21/94	S94-20131	Breast																	
11/30/94	* S94-20650	Breast	1	1						1									

4

* Tissue samples are available for this patient from multiple cases and/or parts.
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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		OCT		Slide		Snap		Paraffin		Paraffin		DNA		
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor			
12/17/94	S94-21123	Breast	1	1	2	1													
12/16/94	S94-21791	Breast	1	1	2	3					0	0							
12/16/94	* S94-21796	Breast	1	1	1	1							1	1					
12/22/94	S94-22158	Breast	1	1															
12/28/94	S94-22349	Breast				8													
1/16/95	S95-792	Breast	1	1	1	1													
1/17/95	S95-876	Breast	1	1	1	1													
1/24/95	* S95-1352	Breast				3													
1/31/95	S95-1852	Breast	1	1	2	2													
2/6/95	S95-2274	Breast																	1
2/7/95	* S95-2302	Breast	1	1	2	2													
2/15/95	* S95-2897	Breast				1													
2/22/95	* S95-2940	Breast	1	1	2	2			15										
2/27/95	* S95-2940	Breast							15										
2/16/95	* S95-2988	Breast							15										
2/22/95	* S95-2988	Breast	1	1	2	2					1	1							
2/24/95	* S95-3320	Breast				1													
2/22/95	* S95-3320	Breast				2													
2/27/95	* S95-3551	Breast				6						1	1						
2/27/95	* S95-3551	Breast				15													
2/28/95	* S95-3684	Breast	1	1	2	2													
3/3/95	S95-3910	Breast	1	1							1	1							
3/6/95	S95-3998	Breast				0			15										
3/7/95	S95-4078	Breast				0			15										
3/7/95	* S95-4153	Breast				7							0						
3/8/95	* S95-4153	Breast	1	1										3	3				
3/10/95	S95-4386	Breast	1	1	2	3													
3/14/95	* S95-4556	Breast	1	1	3	3													
3/17/95	S95-4893	Breast	1	1										1	1				
3/20/95	* S95-4921	Breast	1	1	1	1													

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		OCT		Slide		Snap		Paraffin		Paraffin		Cytology		DNA		
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	
3/20/95	* S95-4921	Breast					0														
3/20/95	* S95-4952	Breast					0														
3/20/95	S95-4954	Breast	1		2	2															
3/20/95	S95-4961	Breast	1		2	2															
3/21/95	S95-4990	Breast	1		3	2															
3/21/95	* S95-4997	Breast	1		2	2															
3/22/95	* S95-4997	Breast					0														
3/22/95	S95-5073	Breast	1		2	2															
3/23/95	* S95-5152	Breast	1		2	2															
3/29/95	* S95-5257	Breast	1																		
3/31/95	* S95-5470	Breast					0														
3/31/95	* S95-5668	Breast	1		2	2															
3/31/95	* S95-5668	Breast					0														
4/3/95	S95-5798	Breast	1		2	2															
4/10/95	* S95-6255	Breast	1		2	3						0									
4/13/95	* S95-6255	Breast					0														
4/12/95	S95-6435	Breast	1		2	2															
4/12/95	* S95-6445	Breast					1														
4/13/95	* S95-6445	Breast					0														
5/6/95	S95-6657	Breast					0														
5/6/95	* S95-6658	Breast	1		1	1															
5/6/95	* S95-6658	Breast					0														
4/17/95	S95-6664	Breast	1		2	2															
4/17/95	S95-6687	Breast	1		1	1															
4/24/95	* S95-7192	Breast	1		1	1															
4/28/95	* S95-7192	Breast					1														
4/24/95	* S95-7215	Breast	1		1	1															
4/25/95	* S95-7286	Breast	1		1	1															
5/3/95	S95-7359	Breast																			
5/3/95	S95-7408	Breast																			

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases		OCT		Slide		Snap		Paraffin		DNA	
			Cases	w/pairs	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
5/1/95	* S95-7583	Breast	1		2	2								
5/8/95	* S95-7583	Breast												1
5/1/95	S95-7599	Breast	1		2	2								1
5/1/95	* S95-7601	Breast	1		2	2								1
5/5/95	* S95-7601	Breast												2
5/1/95	S95-7647	Breast	1		2	2								
5/17/95	* S95-8820	Breast	1		2	4								
5/25/95	S95-9166	Breast				0								15
5/25/95	S95-9167	Breast				0								15
5/24/95	* S95-9272	Breast	1		1	1								
5/25/95	* S95-9272	Breast				0								15
5/26/95	S95-9486	Breast	1		1	1								
5/31/95	* S95-9729	Breast	1		6	15								
6/2/95	S95-9927	Breast				2								
6/12/95	S95-10463	Breast	1		1	1								1
6/13/95	* S95-10548	Breast	1		2	2								1
6/20/95	* S95-10548	Breast												2
6/14/95	* S95-10659	Breast	1		1	1								1
6/21/95	* S95-10659	Breast												1
6/16/95	S95-10798	Breast	1		1	1								
6/21/95	* S95-11124	Breast	1		1	1								
6/21/95	* S95-11124	Breast				0								15
6/21/95	* S95-11125	Breast	1											2
7/5/95	* S95-11125	Breast	1											2
6/23/95	S95-11240	Breast	1		1	1								
6/26/95	* S95-11358	Breast				2								
6/26/95	* S95-11358	Breast				0								15
6/27/95	S95-11427	Breast				0								15
6/27/95	* S95-11445	Breast	1		2	1								
6/27/95	* S95-11445	Breast				0								15

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
6/28/95	S95-11610	Breast	1		2	2								
6/29/95	S95-11709	Breast	1						1	1				
6/30/95	* S95-11746	Breast	1		2	2						1		
6/27/95	* S95-11746	Breast				0		15						
6/21/95	S95-11921	Breast	1			0		15						
7/6/95	S95-11962	Breast				1								
7/19/95	S95-11972	Breast				1								
7/10/95	* S95-12114	Breast	1		2	4			1	1	2	2		
7/11/95	S95-12161	Breast	1		3	5								
7/12/95	S95-12253	Breast	1		1	2								
7/18/95	S95-12627	Breast				0		15						
7/18/95	S95-12647	Breast	1		2	2								
7/25/95	S95-13137	Breast				7				3				
7/26/95	S95-13293	Breast	1		5	1								
8/7/95	S95-13963	Breast				3		15						
8/9/95	* S95-14172	Breast			1	0								
8/9/95	* S95-14172	Breast	1		3	2								
8/9/95	S95-14209	Breast	1		6	6				0	1	1		
8/11/95	S95-14350	Breast	1		1	1								
8/12/95	* S95-14374	Breast	1		3	6								
8/16/95	S95-14612	Breast				4								
8/30/95	* S95-15465	Breast	1		8	4								
8/30/95	* S95-15484	Breast	1		2	1								
9/5/95	S95-15759	Breast	1		3	3						1		
9/6/95	S95-15789	Breast			2									
9/6/95	* S95-15854	Breast	1		2	2								
9/6/95	* S95-15854	Breast				0		15						
9/8/95	S95-15965	Breast	1		2	1								
9/11/95	* S95-16148	Breast	1		1	3								
9/18/95	* S95-16562	Breast	1		5	9				0				

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
9/18/95	* S95-16562	Breast				0	15							
9/19/95	* S95-16716	Breast				1								
9/19/95	* S95-16716	Breast				0	15							
9/22/95	S95-16934	Breast	1		5	4		0	0	0				
9/22/95	S95-16934	Breast				0	15							
9/26/95	S95-17122	Breast				0	15							
10/02/95	S95-17500	Breast				0	15							
10/1/95	* S95-17513	Breast				1								
10/02/95	* S95-17513	Breast				0	15							
10/10/95	* S95-17985	Breast	1		3	3		0	0	1	1			
10/17/95	S95-18259	Breast											2	
10/17/95	* S95-18398	Breast	1		1	1					1	1		
10/18/95	* S95-18398	Breast									1	1		
10/17/95	* S95-18398	Breast				0	15				1	1		
10/17/95	* S95-18398	Breast	1		1									
10/17/95	S95-18434	Breast				0	15							
10/17/95	S95-18434	Breast										1		
10/19/95	S95-18603	Breast					15							
10/27/95	S95-18603	Breast	1								2	2		
10/20/95	S95-18666	Breast					15							
11/7/95	* S95-19426	Breast	1								1	1		
11/1/95	* S95-19426	Breast				0	15							
11/6/95	* S95-19566	Breast				1								
11/3/95	S95-19577	Breast	1		1	1								
11/6/95	* S95-19643	Breast				0	15							
11/6/95	* S95-19703	Breast	1		1	1								
11/6/95	* S95-19703	Breast				0	15							
11/7/95	* S95-19769	Breast				1								
11/7/95	* S95-19769	Breast				0	15							

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA Normal	DNA Tumor
11/10/95	S95-20072	Breast	1	1	1	1									
11/14/95	S95-20259	Breast	1	1	2	2									
11/14/95	* S95-20273	Breast				1									
11/14/95	* S95-20273	Breast				0									
11/15/95	S95-20362	Breast				0									
11/15/95	S95-20362	Breast				0									
11/17/95	S95-20580	Breast				1									
11/17/95	S95-20580	Breast				0									
11/20/95	S95-20743	Breast				1									
11/21/95	* S95-20890	Breast				1									
11/22/95	S95-20952	Breast				0									
11/28/95	* S95-21114	Breast				0									
11/28/95	S95-21152	Breast				1									
12/8/95	* S95-21877	Breast				2									
12/8/95	* S95-21877	Breast				0									
12/11/95	* S95-22012	Breast				1									
12/11/95	* S95-22042	Breast				1									
12/11/95	* S95-22042	Breast				0									
12/12/95	* S95-22067	Breast				0									
12/12/95	S95-22156	Breast				2									
12/19/95	S95-22566	Breast				0									
12/19/95	* S95-22574	Breast				1									
12/19/95	* S95-22574	Breast				1									
12/19/95	* S95-22577	Breast				0									
12/19/95	* S95-22577	Breast				1									
12/19/95	S95-22583	Breast				2									
12/19/95	* S95-22591	Breast				2									
12/22/95	* S95-22724	Breast				2									
1/3/96	S96-77	Breast				1									

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		OCT		Slide		Snap		Paraffin		Paraffin		Cytology		DNA		
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor			
1/3/96	S96-86	Breast	1	1	1	1	1	1						1							
1/4/96	* S96-167	Breast	1	1	1	1	1	1													
1/6/96	S96-280	Breast			0	1	1	1													
1/5/96	* S96-319	Breast					0	0													
1/10/96	* S96-471	Breast					0	0													
1/16/96	S96-797	Breast					0	0													
1/16/96	* S96-800	Breast					0	0													
1/16/96	* S96-872	Breast	1	1	1	1	1	1													
1/17/96	* S96-872	Breast					0	0													
1/16/96	* S96-900	Breast	1	1	2	2	4	4													
1/17/96	* S96-900	Breast					0	0													
1/17/96	S96-937	Breast	1	1	1	1	1	1													
1/17/96	* S96-946	Breast	1	1	2	2	2	2						1						1	
1/23/96	* S96-946	Breast					0	0													
1/23/96	S96-992	Breast					0	0													
1/19/96	* S96-1171	Breast			0	1	1	1													
1/23/96	* S96-1171	Breast					0	0													
1/23/96	* S96-1319	Breast					0	0													
1/23/96	* S96-1340	Breast	1	1	1	1	1	1													
1/23/96	* S96-1340	Breast					0	0													
1/26/96	S96-1610	Breast					0	0													
1/26/96	* S96-1643	Breast					0	0													
1/30/96	* S96-1808	Breast	1	1	2	2	2	2													
1/30/96	* S96-1808	Breast					0	0													
2/1/96	S96-2038	Breast					0	0													
2/6/96	* S96-2200	Breast	1	1																	
2/5/96	* S96-2222	Breast	1	1	2	2	2	2													
2/5/96	* S96-2281	Breast																			
2/5/96	* S96-2281	Breast	1	1	1	1	1	1													
2/5/96	* S96-2281	Breast																			
2/8/96	* S96-2531	Breast	1	1	2	2	2	2													

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Tissue Available By Tissue Type

As of: July 17, 1998

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/patrs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA Normal	DNA Tumor
2/8/96	* S96-2538	Breast				0	15								
2/9/96	* S96-2595	Breast	1	1	1	1					1	1			
2/9/96	* S96-2595	Breast				0	10								
2/12/96	* S96-2704	Breast			0	1									
2/12/96	S96-2709	Breast			0	1									
2/19/96	* S96-3130	Breast				1									
2/19/96	* S96-3130	Breast				0	10								
2/20/96	* S96-3131	Breast	1	1		0					1	1			
2/21/96	S96-3302	Breast				1									
2/21/96	S96-3344	Breast	1	1	1	1	5								
2/22/96	* S96-3414	Breast				0									
2/27/96	S96-3591	Breast									1	1			
2/27/96	* S96-3624	Breast	1	1							1	1			
2/28/96	* S96-3765	Breast	1	1	1	1									
2/5/96	* S96-3765	Breast				0	20								
3/4/96	* S96-4093	Breast	1	1	1	1									
3/4/96	* S96-4093	Breast				0	15								
3/4/96	* S96-4095	Breast	1	1	1	1									
3/4/96	* S96-4095	Breast				0	10								
3/4/96	* S96-4104	Breast	1	1	1	1									
3/4/96	* S96-4104	Breast				0	15								
3/7/96	* S96-4306	Breast	1	1	2	2									
3/8/96	* S96-4410	Breast	1	1	1	1									
3/12/96	* S96-4410	Breast				0	15								
3/8/96	* S96-4443	Breast	1	1	1	1									
3/8/96	* S96-4443	Breast				0	15								
3/12/96	* S96-4629	Breast	1	1	1	1									
3/12/96	* S96-4629	Breast				15									
3/14/96	S96-4775	Breast	1	1	1	1									
3/15/96	* S96-4873	Breast				0									

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA		
														Normal	Tumor	
5/6/96	S96-8236	Breast	1	1	1	1										
5/7/96	* S96-8335	Breast	1	1	2	1										1
5/7/96	* S96-8335	Breast				0		15								
5/7/96	* S96-8393	Breast	1	1	1	1										
5/7/96	* S96-8393	Breast				0		15								
5/14/96	* S96-8852	Breast	1	1	1	1										
5/14/96	* S96-8852	Breast				0		15								
5/16/96	S96-8966	Breast			1						2					
5/16/96	* S96-9109	Breast			0	1										
5/17/96	S96-9194	Breast	1	1	1	1										1
5/20/96	S96-9247	Breast	1	1	1	1					1					1
5/21/96	* S96-9385	Breast	1	1	1	2										
5/22/96	S96-9425	Breast	1	1	2						1					1
5/24/96	* S96-9568	Breast	1	1							1					1
5/14/96	S96-9588	Breast				0		15								
6/17/96	* S96-9882	Breast				0		15								
6/3/96	S96-10119	Breast	1	1	2	2			0		0					
6/3/96	* S96-10125	Breast	1	1	1	1										
6/17/96	* S96-10125	Breast				0		15								
6/5/96	* S96-10337	Breast	1	1	1	2					1					1
6/5/96	* S96-10337	Breast				0		15								
6/7/96	S96-10389	Breast	1	1							1					1
6/7/96	S96-10485	Breast			1						1					
6/7/96	* S96-10541	Breast	1	1	1	2			0		0					1
6/7/96	* S96-10541	Breast				0		15								
6/7/96	* S96-10547	Breast	1	1	2	1										
6/17/96	* S96-10547	Breast				0		15								
6/10/96	S96-10626	Breast	1	1	1	1										
6/10/96	* S96-10630	Breast				2										1
6/17/96	* S96-10630	Breast				0		15								

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
6/11/96	S96-10704	Breast	1	2	2	2								
6/12/96	* S96-10799	Breast	1	2	1	1			0	0				
6/12/96	* S96-10821	Breast	1	1	1	1					1	1		
6/17/96	* S96-10821	Breast												
6/14/96	* S96-10950	Breast	1	2	1	1					1	1		
6/17/96	* S96-10950	Breast												
6/17/96	S96-10954	Breast												
6/18/96	S96-11174	Breast	1	1	1	1								
6/19/96	S96-11204	Breast	1	1	1	1								
6/19/96	* S96-11227	Breast			0	1								
6/19/96	* S96-11227	Breast												
6/28/96	S96-11244	Breast												
6/19/96	* S96-11250	Breast												
6/21/96	* S96-11434	Breast			0	1								
6/24/96	* S96-11566	Breast	1	1	1	1								
6/25/96	* S96-11583	Breast	1	1	1	1								
6/25/96	* S96-11583	Breast												
6/25/96	S96-11620	Breast												
6/25/96	* S96-11631	Breast	1	1	1	1								
6/25/96	* S96-11631	Breast												
6/26/96	* S96-11690	Breast	1	2	2	3				0				
6/25/96	* S96-11690	Breast												
7/1/96	* S96-11971	Breast	1	2	2	2								
7/1/96	* S96-12529	Breast	1	2	2	3								
7/17/96	* S96-12813	breast	1	1										
7/18/96	S96-13032	Breast	1	2	2	2								
7/19/96	S96-13104	breast	1	1	1	1			0	0				
7/19/96	* S96-13116	Breast	1	1	1	2								
7/22/96	* S96-13200	Breast	1	1	1	1					1	1		
7/23/96	S96-13317	Breast	1	1	0	0								

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal		Slide Normal		Snap Normal		Paraffin Normal		Paraffin Tumor		Cytology Normal		DNA Tumor		
					1	2	1	2	1	2	1	2	1	2	1	2	1	2	
7/26/96	S96-13599	Breast	1	1	1	1													
7/29/96	S96-13696	Breast	1	1					1	1									
8/2/96	S96-13819	Breast																	
8/2/96	* S96-13994	Breast																	
8/6/96	S96-14235	Breast																	
8/14/96	* S96-14677	Breast	1	1															
8/13/96	* S96-14677	Breast																	
8/13/96	S96-14740	Breast																	
8/14/96	S96-14845	Breast	1	1	2	2													
8/15/96	S96-14933	Breast	1	1	2	2				0									
8/19/96	S96-15151	Breast																	
8/20/96	S96-15209	Breast	1	1	1	1													
8/21/96	S96-15409	Breast																	
8/22/96	S96-15429	Breast																	
8/26/96	S96-15640	Breast																	
8/26/96	S96-15790	Breast	1	1	1	1													
8/30/96	S96-15924	Breast	1	1	1	1													
9/3/96	* S96-16022	Breast																	
9/3/96	S96-16028	Breast	1	1	1	1													
9/3/96	S96-16033	Breast																	
9/4/96	S96-16112	Breast	1	1	1	1													
9/6/96	* S96-16318	Breast	1	1	1	1													
9/6/96	* S96-16318	Breast																	
9/6/96	S96-16339	Breast	1	1	1	1													
9/10/96	S96-16496	Breast	1	1	2	2													
9/10/96	* S96-16568	Breast	1	1															
9/12/96	* S96-16688	Breast	1	1															
9/12/96	* S96-16688	Breast																	
9/13/96	* S96-16829	Breast	1	1	2	2													
9/16/96	S96-16903	Breast	1	1															

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
9/16/96	* S96-16915	Breast	1	1	1	1								
9/16/96	* S96-16915	Breast												
9/17/96	S96-17024	Breast	1						1	1				
9/18/96	* S96-17111	Breast												
9/20/96	S96-17260	Breast												
9/20/96	S96-17314	Breast	1						1	1				
9/23/96	S96-17383	Breast	1		2	1								
9/24/96	* S96-17478	Breast												
9/24/96	* S96-17549	Breast	1		3	2								
9/24/96	* S96-17549	Breast												
9/24/96	* S96-17549	Breast												
9/27/96	S96-17780	Breast												
9/30/96	S96-17850	Breast												
10/1/96	S96-17930	Breast	1		1	1								
10/1/96	S96-17934	Breast	1		1	3								
10/4/96	S96-18242	Breast	1											
10/11/96	* S96-18604	Breast	1											
10/11/96	* S96-18669	Breast	1		1	1								
10/11/96	* S96-18669	Breast												
10/14/96	S96-18828	Breast												
10/18/96	S96-19220	Breast												
10/21/96	* S96-19355	Breast	1		1	1								
10/21/96	* S96-19355	Breast												
10/22/96	S96-19386	Breast												
10/22/96	* S96-19428	Breast												
10/22/96	* S96-19436	Breast												
10/22/96	* S96-19436	Breast												
10/23/96	* S96-19542	Breast	1						12	11	2	2		
10/23/96	* S96-19542	Breast												
10/25/96	* S96-19724	Breast	1		1	1								

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA Normal	DNA Tumor
10/25/96	* S96-19724	Breast				1									
10/25/96	S96-19738	Breast	1		2	2									
10/28/96	S96-19839	Breast	1	1	1	1									
10/29/96	S96-19905	Breast													
10/30/96	S96-20019	Breast													
10/31/96	* S96-20090	Breast	1		1	1									
10/31/96	* S96-20090	Breast													
11/6/96	S96-20209	Breast	1		1	1									
11/4/96	S96-20282	Breast													
11/11/96	* S96-20663	Breast	1						1	1					
11/8/96	* S96-20663	Breast													
11/13/96	* S96-21002	Breast	1												
11/20/96	S96-21494	Breast													
11/22/96	S96-21790	Breast	1		4	3									
11/22/96	S96-21790	Breast													
11/22/96	S96-21790	Breast	1	1	4	3									
11/22/96	S96-21790	Breast													
11/22/96	S96-21790	Breast	1	1	3	3									
11/26/96	S96-21954	Breast	1		2	2									
11/27/96	S96-22120	Breast	1						1	1					
12/13/96	S96-22622	Breast													
12/9/96	S96-22755	Breast	1		1	1									
12/9/96	S96-22785	Breast	1		1	1									
12/18/96	S96-23498	Breast													
12/27/96	S96-23952	Breast													
1/3/97	S97-76	Breast													
1/6/97	S97-180	Breast	1		2	2									
1/8/97	S97-359	Breast	1		2	2									
1/8/97	S97-359	Breast													
1/10/97	S97-592	Breast	1		2	2									

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor		
1/13/97	S97-592	Breast	1		2	2								
1/10/97	S97-592	Breast					15							
1/13/97	S97-694	Breast						0	1					
1/13/97	S97-694	Breast	1					1	2					
1/16/97	S97-975	Breast												
1/17/97	S97-1156	Breast						3						
1/28/97	S97-1834	Breast	1		1	1						1		
1/27/97	S97-1834	Breast					15							
1/28/97	S97-1865	Breast	1		1	1								
1/28/97	S97-1865	Breast					15							
2/11/97	S97-2402	Breast					15							
2/6/97	S97-2644	Breast	1								1	1		
2/7/97	S97-2695	Breast	1		1	1								
2/12/97	S97-3027	Breast	1		4	10			3	2	2	2		
2/18/97	S97-3455	Breast	1		2	2								
2/18/97	S97-3455	Breast					15							
2/19/97	S97-3509	Breast	1		3	3					2	2		
2/19/97	S97-3524	Breast	1		1	1								
2/19/97	S97-3524	Breast					15							
2/24/97	S97-3840	Breast	1				1							
2/26/97	S97-3987	Breast	1		1	1								
2/27/97	S97-4099	Breast	1		2	2								
2/27/97	S97-4099	Breast					15							
3/4/97	S97-4438	Breast	1		1	1								
3/4/97	S97-4438	Breast					15							
3/13/97	S97-5192	Breast					15							
3/14/97	S97-5224	Breast					15							
2/27/97	S97-5237	Breast	1		1	1								
2/27/97	S97-5237	Breast					15							
3/18/97	S97-5432	Breast	1		1	1								

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA Normal	DNA Tumor
3/20/97	S97-5612	Breast	1	1	1	1									
3/14/97	S97-5828	Breast						15							
3/24/97	S97-5862	Breast	1	1	1	1									
3/31/97	S97-6237	Breast	1	1	1	1									
3/31/97	S97-6297	Breast	1	2	2	2									
4/1/97	S97-6318	Breast						15							
4/4/97	S97-6623	Breast	1	2	2	3									
4/7/97	S97-6735	Breast	1	1	1	1									
4/7/97	S97-6735	Breast						15							
4/7/97	S97-6786	Breast	1	1	1	1									
4/15/97	S97-6884	Breast	1								1	1			
4/7/97	S97-6894	Breast						15							
4/23/97	S97-6971	Breast	1	3	3	5			1	1					
4/23/97	S97-6971	Breast						15							
5/1/97	S97-7041	Breast	1	1	1	1									
4/22/97	S97-7049	Breast	1	2	2	5									
5/13/97	S97-7066	Breast	1	1	1	1									
5/30/97	S97-7072	Breast	1	1	1	1									
5/30/97	S97-7072	Breast						15							
5/13/97	S97-7151	Breast						15							
5/28/97	S97-7152	Breast						15							
5/13/97	S97-7156	Breast						15							
4/11/97	S97-7157	Breast				2									
5/30/97	S97-7199	Breast						15							
5/16/97	S97-7247	Breast						15							
5/9/97	S97-7250	Breast						15							
6/3/97	S97-7296	Breast	1	1	1	1									
6/3/97	S97-7296	Breast						15							
6/13/97	S97-7322	Breast	1	1	1	1									
6/4/97	S97-7337	Breast	1	3	3	4									0

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
6/4/97	S97-7337	Breast												
6/17/97	S97-7340	Breast	1	1	1	1								
6/17/97	S97-7340	Breast					15							
6/10/97	S97-7342	Breast	1	2	2	2								
6/17/97	S97-7343	Breast	1	1	1	1								
6/17/97	S97-7343	Breast					15							
6/17/97	S97-7377	Breast					15							
6/27/97	S97-7378	Breast	1	1	1	1					1	1		
6/27/97	S97-7378	Breast					15							
6/10/97	S97-7441	Breast	1	1	1	1			1	1				
6/30/97	S97-7492	Breast	1	1	1	1								
6/30/97	S97-7492	Breast					15							
6/27/97	S97-7731	Breast					15							
7/2/97	S97-7733	Breast					15							
7/9/97	S97-7787	Breast	1	3	3	3								
7/10/97	S97-7788	Breast	1	4	4	4								
7/14/97	S97-7793	Breast	1	3	3	2			1	1				
7/9/97	S97-13661	Breast					15							
7/10/97	S97-13835	Breast					23							
7/14/97	S97-13980	Breast					23							
7/14/97	S97-14012	Breast					15							
7/15/97	S97-14061	Breast					15							
7/15/97	S97-14149	Breast					15							
7/17/97	S97-14308	Breast	1	1	1	1								
7/17/97	S97-14308	Breast												
7/22/97	S97-14696	Breast	1	1	1	1					2	2		
7/23/97	S97-14748	Breast	1	1	1	1								
7/24/97	S97-14835	Breast	1	1	1	1								
7/30/97	S97-15245	Breast	1	1	1	1								
8/1/97	S97-15466	Breast	1	1	1	1								

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor		
11/5/97	S97-22518	Breast	1	1							1	1		
11/13/97	S97-23151	Breast	1	1	2					2				
11/14/97	S97-23233	Breast	1	1	3		5							
11/19/97	S97-23553	Breast	1	1							1	1		
11/21/97	S97-23569	Breast	1	1							3	3		
11/20/97	S97-23692	Breast	1	1	1		1							
11/20/97	S97-23692	Breast	1	1										15
11/25/97	S97-24058	Breast	1	1	1		1							
11/25/97	S97-24087	Breast	1	1	2		2							
12/2/97	S97-24541	Breast	1	1	3		3							
12/3/97	S97-24608	Breast	1	1	5		5							15
12/3/97	S97-24608	Breast	1	1	1		1							
12/3/97	S97-24608	Breast	1	1										15
12/5/97	S97-24877	Breast	1	1			1							
12/8/97	S97-24975	Breast	1	1			7							
12/9/97	S97-24977	Breast	1	1										15
12/9/97	S97-24991	Breast	1	1										15
12/9/97	S97-25057	Breast	1	1						2				
12/11/97	S97-25291	Breast	1	1					1	1				
12/11/97	S97-25291	Breast	1	1						2				
1/14/98	S97-25291	Breast	1	1										15
12/11/97	S97-25311	Breast	1	1	1		1							
12/11/97	S97-25311	Breast	1	1										15
12/11/97	S97-25311	Breast	1	1										15
12/12/97	S97-25439	Breast	1	1	5		5							
12/15/97	S97-25573	Breast	1	1	1		1							15
12/15/97	S97-25573	Breast	1	1										
12/17/97	S97-25790	Breast	1	1	1		1							15
12/17/97	S97-25790	Breast	1	1										15
12/17/97	S97-25790	Breast	1	1										15

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases		OCT		OCT		Slide		Snap		Paraffin		Paraffin		Cytology		DNA	
			Cases	w/pairs	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
12/18/97	S97-25937	Breast								15										
12/18/97	S97-25937	Breast								15										
12/22/97	S97-26159	Breast								15										
12/22/97	S97-26159	Breast								15										
12/23/97	S97-26296	Breast								15										
1/6/98	S98-184	Breast	1		1			1												
1/14/98	S98-184	Breast								15										
1/8/98	S98-441	Breast	1		2			2												
1/13/98	S98-832	Breast										1		1						
1/13/98	S98-857	Breast	1		1			1				1		1						
1/14/98	S98-945	Breast	1		2			2				1		1						
1/14/98	S98-987	Breast	1		2			2				1		1		1		1		
1/16/98	S98-1141	Breast	1		1			1				0		0						
1/16/98	S98-1176	Breast	1		1			1				0		0						
1/19/98	S98-1324	Breast	1									1		1						
1/20/98	S98-1345	Breast																		
1/20/98	S98-1362	Breast	1		2			1				0		0						
1/20/98	S98-1446	Breast	1		2			2				0		0		1		1		
1/22/98	S98-1640	Breast	1		1			1				0		0						
1/23/98	S98-1713	Breast	1		1			1		15						1		1		
2/2/98	S98-2409	Breast	1									1		1						
2/12/98	S98-3148	Breast	1									1		1						
2/16/98	S98-3475	Breast	1		1			1												
2/18/98	S98-3703	Breast	1		25			1		15				0						
2/18/98	S98-3703	Breast																		
2/20/98	S98-3900	Breast	1		2			2												
2/20/98	S98-3900	Breast								15										
2/23/98	S98-4027	Breast	1		1			1												
3/2/98	S98-4027	Breast								15										
3/2/98	S98-4481	Breast								15										

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Tissue Available

By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT		Slide		Snap		Paraffin		DNA	
					Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor	Normal	Tumor
3/2/98	S98-4666	Breast	1								3	3		
3/9/98	S98-5141	Breast												15
3/11/98	S98-5370	Breast	1		2		2							15
3/11/98	S98-5370	Breast												15
3/11/98	S98-5370	Breast												15
3/16/98	S98-5753	Breast	1		3		3							15
3/23/98	S98-6260	Breast												15
3/27/98	S98-6623	Breast	1								1		1	
3/27/98	S98-6623	Breast												15
3/31/98	S98-6884	Breast	1		2		2							
3/31/98	S98-6943	Breast	1		1		1							
4/6/98	S98-7061	Breast												15
4/6/98	S98-7325	Breast												15
4/7/98	S98-7455	Breast	1						1				1	
4/7/98	S98-7465	Breast	1		1		1							15
4/7/98	S98-7472	Breast												15
4/9/98	S98-7743	Breast	1		1		1							15
4/14/98	S98-7921	Breast	1		1		1							15
4/20/98	S98-8386	Breast												15
4/22/98	S98-8386	Breast												15
4/21/98	S98-8467	Breast	1						1				1	
4/27/98	S98-8914	Breast	1						1		1		1	
4/28/98	S98-8995	Breast												15
4/30/98	S98-9251	Breast	1						1		1		1	
5/1/98	S98-9396	Breast	1											1
5/7/98	S98-9772	Breast	1		1		1							1
5/8/98	S98-9892	Breast	1		1		1							2
5/13/98	S98-10105	Breast	1								2		2	
5/15/98	S98-10454	Breast	1		2		3				1		1	

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Tissue Available By Tissue Type

Date Frozen	Accession Type & No.	Tissue type	Total Cases	Cases w/pairs	OCT Normal	OCT Tumor	Slide Normal	Slide Tumor	Snap Normal	Snap Tumor	Paraffin Normal	Paraffin Tumor	Cytology	DNA Normal	DNA Tumor
5/15/98	S98-10485	Breast						15							
5/15/98	S98-10542	Breast	1						1	1					
5/21/98	S98-10939	Breast						15							
5/26/98	S98-11171	Breast				2									
5/26/98	S98-11190	Breast				2									
5/29/98	S98-11482	Breast	1		1	1					1	1			
6/12/98	S98-12666	Breast	1		2	2									
6/16/98	S98-12871	Breast	1		1	1									
6/18/98	S98-13103	Breast						15							
6/19/98	S98-13197	Breast	1		1	1			1	1					
TOTALS:			760	391	600	760	1	3477	102	117	104	125			

* Tissue samples are available for this patient from multiple cases and/or parts.
Print Date: 7/17/98 Database developed for the Program for Critical Technologies in Molecular Medicine by C. L. Howe & B. R. Levine © 1997