

Accessing Services

Any cancer research that involves human subjects requires UVM Cancer Center PRMC and UVM IRB approvals and requires that investigators have completed the 'Protection of Human Subjects in Research' tutorial:

<http://www.uvm.edu/irb/tutorial/index.html>.

Access to Biobank specimens requires the following:

- ❖ Consult with Biobank personnel to review available specimens necessary to investigate the research question; design protocol.
- ❖ Obtain UVM Cancer Center PRMC approval. For most projects this will require submission of a 'Laboratory Protocol' (see Initial Protocol Submission).
- ❖ Obtain IRB approval for PRMC approved project. For most projects this will require submission of Common Protocol Cover Form, Human Research Protocol, and Waiver Request.
 - ❖ Note: the use of coded Biobank specimens facilitates the IRB approval process.
- ❖ Biobank utilization approval and signing of the 'terms of use agreement' confirming that specimens will be used as per the approved project must be completed prior to specimen release.

Services

- ❖ Currently, services are provided at no cost to investigator.
- ❖ Search of Biobank databases for specimens meeting research project needs.
- ❖ Retrieval and distribution of de-identified/coded banked specimens.
- ❖ Potential for customized collection of specific sample types by consultation with Biobank personnel.
- ❖ Guidance with respect to formalities concerning the protection of human subjects, tissue ownership, limitations to how tissues may be used and responsibilities to UVM.

Contact Us

Technical Director: Mark Evans
mark.evans@med.uvm.edu
 802-656-3628

Sr. Technologist: Christine Adamson
cadamson@med.uvm.edu
 802-656-3695

On the web:
<http://www.med.uvm.edu/uvmcancercenter/core-facilities/biobank>

THE
University of Vermont
 CANCER CENTER

THE
University of Vermont
 MEDICAL CENTER

BIOBANK

Fresh-frozen
 tumor tissue
 for
 cancer research.

Sample #	N	Sex	Age	Collectio	Tissue	Tissue	Location	Sub-location	Diagnosis	AJCC Grade	WHO/oth.	Misc.	Normal Fro.	Metast.	Metasta.
TS2476	2	Male	76	10/29/14	Test	COLON	RIGHT	NON-HODGKIN							
TS2477	2	Female	70	10/29/14	Test	KIDNEY	RIGHT	PAPILLARY RI	pT1a pNx						
TS2478	2	Female	77	10/29/14	Silver	BREAST	RIGHT	INVASIVE MEE	pT1c pN1a						
TS2479	2	Female	48	10/29/14	Silver	UTERUS	ENDOMETR	ENDOMETRIAL	pT1a pN0 pM1						
TS2480	2	Female	64	10/29/14	Bronze	OVARY	LEFT	CLEAR CELL	pT2c pN1						
TS2481	2	Male	81	10/29/14	Test	LUNG	RIGHT	ADENOCARCIN							
TS2482	2	Female	58	10/29/14	Test	KIDNEY	LEFT	UPPER GIAC	ADENOCARC						
TS2483	2	Female	53	10/31/14	Test	PELVIS		PELVIC MASS	HIGH GRADE						
TS2484	2	Male	55	10/31/14	Bronze	KIDNEY	LEFT	RENAL CELL	pT1a pNx						
TS2485	2	Female	70	10/31/14	Test	LUNG	LEFT	UPPER LOBE	SQUAMOUS C	pT2a pN0			Yes	LUNG LEFT	No
TS2486	1	Male	69	11/03/14	Test	BRAIN	LEFT	TEMPORAL	ADENOCARC						
TS2487	1						RIGHT	TEMPORAL	HIGH GRADE				WHO IV	No	No
TS2488	2							ADENOCARC	pT3 pN1b				Yes	MUCOSA DIS	No
TS2489	2						LEFT	RENAL CELL	pT1b pNx	Fuhrman G			Yes	KIDNEY LEFT	No
TS2490	2						RIGHT	RENAL CELL	pT3a pNx	Fuhrman G			Yes	KIDNEY RIGH	No
TS2491	2						LEFT	PAPILLARY RI	pT1b pNx				Yes	KIDNEY LEFT	No
TS2492	2						ARGE	ADENOCARC	pT3 pN1a pNx				Yes	BOWEL LAIR	No
TS2493	2						LEFT	INVASIVE DIS	pT1c pN0pN0				Yes	BREAST LEFT	No
TS2494	2						LEFT	INVASIVE DIS	pT1c pN0pN0				Yes	BREAST LEFT	No
TS2495	2						LEFT	RENAL CELL	pT1b pNx				Yes	KIDNEY LEFT	No
TS2496	2	Female	74	11/06/14	Bronze	KIDNEY	left	RENAL CELL	pT3a pN1				Yes	kidney left	No

Health Science Research Facility
 Room 315A
 149 Beaumont Avenue
 Burlington, Vermont USA 05405

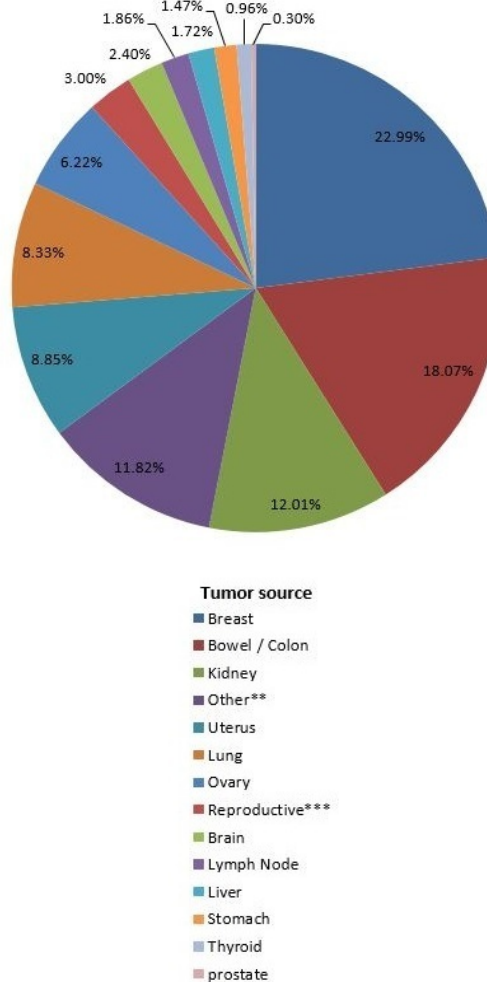
About the Biobank

- ❖ The University of Vermont Cancer Center Biobank Core Facility provides fresh-frozen surgical resection specimens of tumor and (when possible) normal tissues to the University of Vermont Cancer Center and Medical Center researchers.
- ❖ The facility is managed and operated by the Department of Pathology and Laboratory Medicine.
- ❖ The Biobank Facility operations were extensively revised during 2014. On average 30+ new specimens are now collected each month. These are graded according to the time interval between surgical excision and flash freezing: Gold: <15 min., Silver: 15-30 min., Bronze: 31-120 min., and Test: >120 min.
- ❖ The Biobank operates according to national and international best practice guidelines and standard operating procedures (SOPs).
- ❖ The Biobank is approved to supply coded specimens to UVM researchers by the UVM Cancer Center Protocol Review Committee (PRC) and operates under the terms of two separate UVM Institutional Review Board (IRB) protocols.

Inventory

Biobank Sample Distribution

(05/16/2019) n=3663



- ❑ As of May 2019 the Biobank has over 3650 samples [ongoing].
- ❑ the Biobank has over 500 samples from Mohs surgeries [ongoing].

Primary Facilities

- ❖ Two Revco -86°C UXF 500 BX Ultralow temperature freezers each with capacity for ~40,000 2ml vials; fully secured; alarmed for local and remote notifications of freezer failure events.
- ❖ Freezerworks Unlimited Management software v6.0 (Dataworks Development, Inc., Lynwood, WA) for specimen and patient data recording and for freezer shelf space storage management. The software is an industry standard for Biobank specimen management and meets International Society for Biological and Environmental Repositories (ISBER) and Office of Biological and Biospecimen Research (OBBR) Best Practices for Repositories guidelines.
- ❖ Airclean Systems Combination Workstation clean air environment, vertical laminar flow hood for secondary tissue dissection.