

Accessing Services

Cancer research involving 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

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

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 CANCER CENTER

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BIOBANK

Sample #	N	Sex	Age	Collecto	Tissue	Tissue	Location	Sublocation	Diagnosis	AJCC Grade	WHO Ioh.	Matc.	Normal Fro.	Metast.		
TS2476	2	Male	76	10/29/14	Test	COLON	RIGHT		NON-HODGKIN							
TS2477	2	Female	70	10/29/14	Test	KIDNEY	RIGHT		PAPILLARY B	pT1c pN0						
TS2478	2	Female	77	10/29/14	Silver	BREAST	RIGHT		INVASIVE MEC	pT1c pN1a						
TS2479	2	Female	46	10/29/14	Silver	UTERUS	ENDOMET		ENDOMETRIAL	pT1b pN0 pT1						
TS2480	2	Female	64	10/29/14	Bronze	Ovary	LEFT		CLEAR CELL C	pT2c pN1	FC					
TS2481	2	Male	61	10/29/14	Test	LUNG	RIGHT		MALIGNANT C							
TS2482	2	Female	56	10/29/14	Test	KIDNEY	LEFT		UPPER GIAD	ADENOCARC						
TS2483	2	Female	52	10/31/14	Test	PELVIS	PELVIC WASH		HIGH GRADE							
TS2484	2	Male	55	10/31/14	Bronze	KIDNEY	LEFT		RENAL CELL C	pT1a pN0	FC					
TS2485	2	Female	70	10/31/14	Test	BRAIN	LEFT		UPPER LOBE	SQUAMOUS C	pT2a pN0		Yes	LUNG LEFT U	No	
TS2486	1	Male	69	11/03/14	Test	BRAIN	LEFT		TEMPORAL	ADENOCARC			No		Yes	COLD
TS2487	1						RIGHT		TEMPORAL	HIGH GRADE		WHO IV	No		No	
TS2488	2						BIODE		ADENOCARC	pT3 pN1b			Yes	MUCOSA SIG	No	
TS2489	2						LEFT		RENAL CELL C	pT1b pN0	Fuhrman G		Yes	KIDNEY LEFT	No	
TS2490	2						RIGHT		RENAL CELL C	pT3A pN0	Fuhrman G		Yes	KIDNEY RIGHT	No	
TS2491	2						LEFT		PAPILLARY B	pT1b pN0			Yes	KIDNEY LEFT	No	
TS2492	2						ABDE		ADENOCARC	pT3 pN1a pN0			Yes	BOWEL LAR	No	
TS2493	2						LEFT		INVASIVE DUX	pT1c pN0(pN0)			Yes	BREAST LEFT	No	
TS2494	2						LEFT		INVASIVE DUX	pT1c pN0(pN0)			Yes	BREAST LEFT	No	
TS2495	2						LEFT		RENAL CELL C	pT1b pN0			Yes	KIDNEY LEFT	No	
TS2496	2	Female	74	11/09/14	Bronze	KIDNEY	left		RENAL CELL C	pT3a pN1			Yes	kidney left	No	

Fresh-frozen
 tumor tissue
 for
 cancer research.

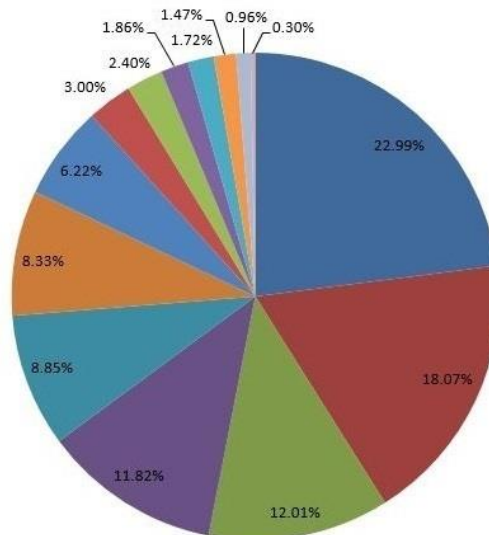
About the Biobank

- ❖ 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

(Excludes MOHS samples)



Tumor source



- ❑ Biobank has over 3700 samples [ongoing].
- ❑ Biobank has approximately 600 samples from Mohs surgeries [ongoing].

Primary Facilities

- ❖ Two Revco -86°C UXF 500 BX Ultralow temperature freezers; fully secured & monitored.
- ❖ Airclean Systems Combination Workstation for secondary tissue dissection.

Reserved Resources

- ❖ The Biobank maintains storage for project specific collections. Access to these samples requires approval and/or collaboration of/with the PI who initiated the collection.
 - Lymph nodes flash frozen, embedded in OCT.
 - Serum from the MAPS prostate study
 - Archived, frozen blood samples from the Familial Cancer Program.
 - Blood samples from stage IA lung cancer