

The overall goal of the Tissue Retrieval Service (TRS) is to provide human tissues and biological materials to the membership of the Cancer Institute of New Jersey (CINJ). The TRS works with researchers who need access to human biospecimens for their IRB approved translational or basic research protocols. Tissue retrieval personnel follow standard operating procedures for collecting, preserving and storing biospecimens so that quality is not compromised. In addition to collecting tissues, TRS works closely with the CINJ Immunohistochemistry (IHC) Core to facilitate efficient use of tissues for IHC projects and the creation of tissue microarrays (TMA). The tissue retrieval shared resource maintains a web-based biospecimen database for use in tracking and managing inventory.

TRS Equipment

The TRS has sufficient equipment to collect and distribute tissues in an optimum state of preservation and in a timely manner. In addition, the shared resource has the space and tracking systems to store, identify, and retrieve embedded tissue blocks. There is a tissue examination area at both RWJUH and CINJ used for tissue dissection and a biological hood to aid in sterile dissection. Instrumentation includes:

Sakura VIP 5 Tissue Processor	3 -80° Upright Freezers
Tissue Tek Embedding Center	Biosafety Cabinet
Sakura DRS Slide Stainer	Deluxe Electronic Remote Alarm System
Sakura SCA Film Coverslipper	Portable Liquid Nitrogen Flasks
Leica Paraffin Microtomes	Portable Dry Ice Coolers
Vibratome	4 Degree Storage
Leica Cryostats	-20 Dstorage
Microscope	Paraffin Block Storage Cabinets
Accumed pH Meter	Glass Slide Storage Cabinets

Services and Pricing

- Procurement and distribution of the following de-identified (age/sex/diagnosis) biospecimens to IRB approved researchers:
 - Fresh human tissue in media
 - Fresh human tissue processed into paraffin block
 - Fresh human tissue flash frozen in cryovial
 - Fresh human tissue frozen in OCT for cryocutting
 - Cytology specimen collection (urine, ascites fluid, etc)
 - Peripheral blood mononuclear cells (processed and frozen as aliquot)
 - Serum separated from blood
 - Whole blood
 - DNA/RNA Protein (isolated and aliquoted)
- Collect, de-identify and preserve research protocol or clinical trial specimens for short/ long term storage.

Service	CINJ Member	Non-member
Fresh/frozen tissue	\$15.00 ea	\$25.00
Vibratome sectioning (200um-800um thickness)	\$22.00 per specimen plus tissue collection charge (\$15.00)	

The Tissue Retrieval Service is a section of Tissue Analytic Services at The Cancer Institute of New Jersey (CINJ)

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<http://www.cinj.org/Researchers/SharedResources/tissue.htm>

Hours of Operation:

Monday – Friday
8:00 A.M. – 6:00 P.M.