



RESEARCH HISTOLOGY CORE (RHC)

The Research Histology Core provides high-quality histology services with fast turnaround time to the UTHSC campuses. We support basic and translational research with expert consultation services offered by the Department of Pathology.

The RHC was created in 2017 as a partnership between the Department of Pathology and the Office of Research to provide the UTHSC campuses and the Memphis research community with access to histology services at competitive prices for research specimens.

SERVICES

The RHC offers processing, paraffin embedding, sectioning and staining of research specimens, including H&E-staining, and a wide variety of special stains. Sectioning and staining of pre-embedded frozen sections is also available by appointment. The standard turnaround time is ten business days. Priority processing (3 business days) is also available for a surcharge. Consultation regarding experimental design, including how to gross tissues prior to fixation, how to submit samples for processing and the recommended stains for sectioned materials is available at no cost from the laboratory manager. Expert histopathology consultation services are also offered by referral to the Department of Pathology.

CORE CAPABILITIES

The RHC provides researchers with access to high-quality histology services and to expert consultation on histopathology to support basic and translational research. The RHC supports processing tissue specimens for research purposes, primarily tissues derived from rodent models or human specimens xenografted into mice.

EQUIPMENT

The core maintains the following equipment:

- 1 Thermo Excelsior Tissue Processor
- 2 Sakura VIP Tissue Processors
- 1 Sakura DRS2000 Autostainer
- 3 Leica Microtomes
- 1 Benchmark Special Stains Stainer
- 2 Benchmark Ultra Immunohistochemistry Stainers
- 2 Peloris Rapid Tissue Processor
- 1 CM1850 Cryostat
- 1 Auto Stainer XL (H@E stainer)
- 1 CV5030 Automatic Cover Slipper

SAMPLE SUBMISSION

Samples may be submitted, along with a paper copy of the iLab electronic request form, between 8am-3pm, Monday-Friday to 930 Madison Avenue, Suite 544A. All specimens must be grossed and prepared in well-labeled tissue cassettes prior to submission to the core. PIs are responsible for providing empty slide boxes or slide holders at the time of specimen submission. Cassettes should be labeled with a histology grade pen (StatMark black, SKU code: SMP-BK, www.statlab.com) and pencil.

STAFF

The RHC is staffed by experienced clinical pathology histotechnologists and a full-time laboratory manager. General questions about pricing, turnaround time, procedures for sample submission or special instructions for sample processing should be directed to the laboratory manager.

Upon PI request, expert consultation is available through referral to the Department of Pathology.

Natasha Jones
Laboratory Manager

901.866.8013
natasha.jones@uthsc.edu

For more information:

RESEARCH HISTOLOGY CORE (RHC)

930 Madison Avenue, Suite 544A, Memphis, TN 38163
histologycore@uthsc.edu