Resource Summary Report

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Hollings Cancer Center Tissue Biorepository and Research Pathology Services Shared Resource

RRID:SCR_004626
Type: Tool

Proper Citation

Hollings Cancer Center Tissue Biorepository and Research Pathology Services Shared Resource (RRID:SCR_004626)

Resource Information

URL: http://hcc.musc.edu/research/resources/biorepository/

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Description: The Hollings Cancer Center Tissue Biorepository & Research Pathology Services Shared Resource provides investigators with a centralized infrastructure that promotes biomedical research involving the use and study of human biospecimens. The shared resource is comprised of four integrated components: Biospecimens and data bank, Laser Capture Microdissection, Tissue Microarray, and Research Pathology Services. These components, along with extensive staff expertise, offer a comprehensive means by which researchers can utilize valuable human biospecimens and cutting edge technology to support basic, translational and clinical research. Services: * Biospecimen and Data Bank ** Collecting, processing, and banking of tissue, saliva, urine, blood, plasma, serum, and other tissue derivatives; including those for protocol driven studies ** Retrieval of banked specimens linked to clinicopathologic data, while maintaining patient confidentiality, for research use ** Quality control of collected tissue by the Tissue Biorepository Director, a trained pathologist: verification of diseased state and assessment of tumor purity, etc ** Quality control of DNA/RNA/protein isolated from collected tissue using the Agilent Bioanalyzer * Laser Capture Microdissection ** Identification, localization, and microdissection of targeted cell populations (from human and animal tissue sources) ** Extraction of DNA/RNA/protein from microdissected samples. ** Quality analysis and quality control of isolated nucleic acid using Agilent Bioanalyzer * Tissue Microarray ** Create custom and standard TMAs ** Consultation and technical support in the construction and analyses of TMA * Research Pathology Services ** Macrodissection of tissue prior to isolation of DNA/RNA/protein to increase tumor purity ** Immunohistochemistry and In-situ

hybridization ** Quantitative image analysis on conventional and TMA sections, including tissue scoring, Ki-67 labeling index, microvascular density counting, and tissue microarray scoring, etc. * Bio-molecular Assessment ** Cellular DNA, RNA and protein prepared by the Tissue Repository from banked specimens or any other biomolecules submitted by investigators can be qualitatively assessed by Agilent Bioanalyzer, prior to use for downstream applications such as microarray and/or qRT-PCR analysis

Abbreviations: HCC Tissue Biorepository

Synonyms: Hollings Cancer Center Tissue Biorepository Research Pathology Services Shared Resource

Resource Type: material resource, cell repository, biomaterial supply resource

Keywords: cancer, leukemia, lymphoma, myeloma, solid tumor, tumor, tissue, saliva, urine, blood, plasma, serum, dna, rna, protein, clinicopathologic data, immunohistochemistry, in-situ hybridization, macrodissection, tissue microarray, paraffin, frozen, oct embedded, block, h & e staining, slide, malignant, bodily fluid

Related Condition: Cancer, Leukemia, Lymphoma, Myeloma, Solid tumor, Tumor

Funding:

Availability: Public: Prices listed for HCC, MUSC, And outside MUSC.

Resource Name: Hollings Cancer Center Tissue Biorepository and Research Pathology Services Shared Resource

Resource ID: SCR_004626

Alternate IDs: nlx_62775

Old URLs: http://hcc.musc.edu/research/sharedresources/biorepository/index.htm

Record Creation Time: 20220129T080225+0000

Record Last Update: 20250519T204505+0000

Ratings and Alerts

No rating or validation information has been found for Hollings Cancer Center Tissue Biorepository and Research Pathology Services Shared Resource.

No alerts have been found for Hollings Cancer Center Tissue Biorepository and Research Pathology Services Shared Resource.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Hunt EG, et al. (2024) Acetyl-CoA carboxylase obstructs CD8+ T cell lipid utilization in the tumor microenvironment. Cell metabolism.

Majumder M, et al. (2016) RNA-Binding Protein FXR1 Regulates p21 and TERC RNA to Bypass p53-Mediated Cellular Senescence in OSCC. PLoS genetics, 12(9), e1006306.