



**Cedars-Sinai Biobank and Translational Research Core  
FY 21 Services and Internal Rates**

<b>Biospecimen Collection Services</b>	<b>CSMC Internal Rate</b>
Routine Tissue Collection	\$44 per case
Routine Blood Collection (4 tubes-red, purple, green, and/or yellow); processed to serum, plasma and buffy coat	\$33 per case
Routine Biospecimen Collection (e.g. urine, sputum, fluids)	\$27.50 per collection
Blood Smear	\$2.00 + consumables
Protocol Based Tissue Collection (estimate, specific for each request)	\$93.50 per case
Protocol Based Blood Collection (estimate, specific for each request)	\$121 per collection
PBMC Processing	\$121 per case
Biospecimen Retrieval charges from storage	\$5.50 per case/collection
Biospecimen on Campus Delivery (does not include carrier fees or supplies)	\$16.50 per delivery
Biospecimen Handling Charge (does not include carrier shipping fees or supplies); external shipping	\$33 per shipping
Specimen Receipt (no annotation)	\$5/shipment received
Specimen Receipt (with annotation)	\$15/specimen

<b>Data Services</b>	<b>CSMC Internal Rate</b>
Biobank LIMS Database Search	\$30/hour
Data Entry Fee	\$30/hour
Clinical Annotation fee	\$15 per case or \$85 per hour

<b>Storage Services</b>	<b>CSMC Internal Rate</b>
Freezer Storage-Full Freezer (24 racks total; 1620 tubes per rack)	\$175 per month, \$2100 per year
Freezer Storage-Rack (1620 tubes per rack)	\$8 per month, \$96 per year
Liquid Nitrogen Storage-Tank (26 racks total; 1053 tubes per rack)	\$560 per month, \$6720 per year
Liquid Nitrogen Storage-Rack	\$22 per month, \$264 per year
Room Temp. Storage-Shelf (FFPE Blocks, slides, etc.)	\$6 per month, \$72 per year

<b>Research Pathology and Tissue MicroArray Services</b>	<b>CSMC Internal Rate</b>
Staff Research Pathologist Block Pull and Slide Review (30 min/case)	\$85 per hour (estimate \$42.50 per case)
Research Pathologist data pull from PowerPath; Basic (demographics)	\$85 per hour (estimate \$15.00 per case)
Research Pathologist data pull from PowerPath; Advanced (e.g. path report or chart notes)	\$85 per hour (estimate \$30 per case)
Research Pathologist; Microdissection or Core Extraction	\$85 per hour (estimate \$42.50 per case)
TMA Construction	\$85 per hour (estimate \$71.00 per case)
TMA slide from BTRC TMA	\$110 per slide
TMA Recut (block provided by client)	\$5.50 per slide

<b>Tissue Staining &amp; Histology Services</b>	<b>CSMC Internal Rate</b>
Research Pathologist Tissue Grossing	\$5.50 per tissue
Automated Tissue Processing	\$5.50 per tissue
FFPE block from Pathology Archive	\$10.00 per block
Simple Grossing and Processing and Embedding (per sample) to FFPE	\$11 per tissue Plus \$2.00 for each extra tissue in the block
Frozen Tissue Embedded in OCT	\$11 per tissue
Unstained Section from FFPE Blocks	\$2.20 per slide (1 section) plus \$0.50 per extra section
H&E Slide from FFPE Blocks	\$2.20 per slide
Unstained Section from Frozen Blocks	\$4.00 per slide (1 section) plus \$0.50 per extra section
H&E Slide from Frozen Blocks	\$2.20 per slide
Special Stains	\$16.50 per slide

<b>IHC/IF and ISH (RNAScope)</b>	<b>CSMC Internal Rate</b>
Single IHC/IF per slide	\$35 + 1° antibody cost
Double IHC/IF per slide	\$60 + 1° antibody cost
Triple IHC/IF per slide	\$85 + 1° antibody cost
4-plex IHC/IF per slide	\$110 + 1° antibody cost
5-plex IHC/IF per slide	\$135 includes the cost of 1° antibody
IHC or IF workup (1 Ab); 10 slides max.	\$330 + 1° antibody cost

Rates may vary depending on the specificities of a request.  
All prices are subject to change.

IHC or IF workup (multiplex 3 Abs); 14 slides max.	\$960 + 1° antibody cost
IHC or IF workup (multiplex 4-5 Abs); 22 slides max.	\$1155 includes the cost of 1° antibody
RNAScope/ISH	\$125/slide + cost of Probe (~\$1,000)
RNAScope workup; 1 probe, 10 slides max	\$1,000 + cost of Probe (~\$1,000)

<b>Instrumentation</b>	<b>CSMC Internal Rate</b>
Leica LMD7000 Laser Microdissection Cell Capture System	\$25 per hour; \$40 per hour for training
Diagenode Bioruptor (Sonicator)	\$15 per hour
Qiagen TissueLyser LT (homogenizer)	\$2 per sample
Applied Biosystems QuantStudio 6 Flex Real-Time PCR System	\$10 per hour; \$40 per hour for training
NanoDrop 2000c Spectrophotometer	\$15 per hour
Covaris E220evolution Focused-Ultrasonicator	\$6 per hour
HybEZ Oven	\$30 per hour
Thermoscientific Cytospin 4 Cytocentrifuge	\$5 (small cartridge) or \$10 (large cartridge)
NanoString nCounter	\$60 per session + consumables (see below)
NanoString nCounter (Digital Analyzer only)	\$40/hour
NanoString GeoMx	\$75.00 per session + consumables (see below)
Nanostring Consumables (estimates)	Protein panels ~\$500-1,000 per slide RNA panels ~\$500 per slide Cancer Transcriptome Atlas (CTA) assay: ~\$1,600-1,800 per slide (includes sequencing)
Beckman-Coulter Optima MAX-XP Ultracentrifuge	\$10 per hour
Leica VT1200 S Vibratome	\$15 per hour; \$40 per hour for training
Leica CM1950 Cryostat	\$15 per hour; \$40 per hour for training

<b>Image Services</b>	<b>CSMC Internal Rate</b>
All Imaging Training	\$120 per hour
Leica DMi8 Fluorescent Microscope	\$40 per hour - Self Use; Assisted Use \$60 per hour

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LaVision Light Sheet UltraMicroscope	\$60 per hour - Self Use; Assisted Use \$90 per hour
Zeiss LSM 780 confocal	\$60 per hour - Self Use; Assisted Use \$90 per hour
Leica SP5 confocal	\$60 per hour – Self Use; Assisted Use \$60 per hour
Leica LMD700 Laser Microdissection Cell Capture System	\$60 per hour - Self Use; Assisted Use \$90 per hour

<b>Image analysis</b>	<b>CSMC Internal Rate</b>
Computer workstation for image analysis (StrataQuest/Imaris)	\$15 per hour
Image Analysis Service	\$60 per hour

<b>Scanning Services (Scanning by BTRC Staff)</b>	<b>CSMC Internal Rate</b>
Zeiss AxioScan Z1 or TissueFax Fluorescent Slide Scanning	\$25 per hour
Aperio Slide Scanner (Transmission Light Scanning)	Up to 10 slides (20x) - \$6 per slide Up to 10 slides (40x) - \$20 per slide  More than 10 (both 20x and 40x) - \$60/hour +\$1/slide
Image Annotation-Research Pathology	\$85 per hour

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