

For most current Imaging Core Charges check iLabs, contact the department at 405-271-7545, or email Ben-Fowler@omrf.org.
The following list expires fiscal year June 30th, 2024.

Picrosirius Red Stain (Modified Cryo Protocol) Up to 29 slides using modified protocol with .01N HCl. All slides are stained by hand.	\$43.00 (Internal) \$57.00 (External)
10% NBF (Epridia Catalog Number 5701) - 1 Gallon	\$10.75 (Internal) \$10.75 (External) \$10.75 (Corporate)
15x15x5 cryomolds (box of 100) Andwin Scientific Tissue-Tek 15x15x5mm base molds for cryoembedding Ref# 4566	\$30.62 (Internal) \$30.62 (External) \$30.62 (Corporate)
2-Methylbutane Reagent used for rapid freezing cryosamples per mL	\$0.05 (Internal) \$0.05 (External) \$0.05 (Corporate)
2-Well chambered coverglass	\$14.00 (Internal) \$14.00 (External) \$14.00 (Corporate)
24-Well plate	\$1.25 (Internal) \$1.25 (External) \$1.25 (Corporate)
3D Printed Materials	\$1.00 (Internal) \$1.00 (External) \$1.00 (Corporate)
4-Well chambered coverglass	\$12.50 (Internal) \$12.50 (External) \$12.50 (Corporate)
8-Well chambered coverglass	\$12.50 (Internal) \$12.50 (External) \$12.50 (Corporate)
96-well glass-bottom cell culture plate (for Imaging)	\$45.00 (Internal) \$45.00 (External) \$45.00 (Corporate)
Acetone per mL	\$0.50 (Internal) \$0.50 (External) \$0.50 (Corporate)
Acid-Fast Bacillus (ABF) stain smear and staining per slide	\$4.00 (Internal) \$6.00 (External) \$9.00 (Corporate)
Additional Row(s) of Sections Adding additional row of sections (Cryo or Paraffin). Charge is per each additional row added.	\$4.00 (Internal) \$6.00 (External)
Additional Tissue Embedding (per block; each additional tissue over 4) Price for paraffin embedding each additional piece of tissue (after 4) per paraffin block.	\$0.40 (Internal) \$0.45 (External) \$0.90 (Corporate)
After Hours Usage Discount (6pm-8am) Usage discount unstaffed facility hours, including holidays and weekends	\$15.00 (Internal) \$21.75 (External) \$43.25 (Corporate)
Agarose Matrix (per sample - orientation specific) Used for alignment of multiple small samples where specific orientation is required NOT FOR CELL SAMPLES	\$1.00 (Internal) \$1.50 (External) \$3.00 (Corporate)

Agarose Matrix (per sample)--Vibratome Used to stabilize fixed and unfixed tissue for Vibratome sectioning	\$3.00 (Internal) \$4.00 (External)
Agarose Matrix-TEM (per cell sample) embedding of cells in agarose used for small quantity samples	\$1.00 (Internal) \$2.25 (External) \$4.50 (Corporate)
Alcian Blue /PAS stain (1st Slide) 1st Slide	\$9.50 (Internal) \$14.00 (External)
Alcian Blue Stain (up to 29 slides/run) standard protocol is pH 2.5 Up to 29 slides using standard autostainer protocol	\$11.00 (Internal) \$15.00 (External)
Alcian Blue/PAS Stain (Additional Slides) additional slides	\$4.50 (Internal) \$6.50 (External)
AMP_AIM Cryosectioning - Additional Slides	\$8.00 (Internal)
AMP_AIM Cryosectioning - First Slide	\$55.00 (Internal)
AMP_AIM Paraffin Sectioning - Additional Slides Additional slides from paraffin block during same cutting session. Includes specific placement on slide or use of provided specialized slides.	\$6.50 (Internal)
AMP_AIM Paraffin Sectioning - First Slide Cleaning, RNase treatment, and sectioning of first slide from AMP_AIM tissue block, including specific tissue placement or placement on specialized provided slide. Includes collection of paraffin/tissue trimmings in pre-labeled collection tube.	\$30.00 (Internal)
Analysis Computer Cancellation Fee	\$3.50 (Internal) \$5.00 (External) \$50.40 (Corporate)
Analysis Computer No Show Fee	\$6.00 (Internal) \$10.00 (External) \$28.00 (Corporate)
Antibody Optimization: Chromagenic (dual label)	\$300.00 (Internal) \$355.00 (External)
Antibody Optimization: Chromagenic (single label) optimization of a single antibody using appropriate control slides	\$185.00 (Internal) \$215.00 (External)
Antibody Optimization: Fluorescent (dual label)	\$230.00 (Internal) \$320.00 (External)
Antibody Optimization: Fluorescent (single label)	\$95.00 (Internal) \$115.00 (External)
Antibody Optimization: Fluorescent (triple label)	\$350.00 (Internal) \$500.00 (External)
Antibody Optimization: Gold (dual label)	\$350.00 (Internal) \$500.00 (External)
Antibody Optimization: Gold (single label)	\$250.00 (Internal) \$320.00 (External)
Antigen Retrieval (using core solutions)	\$6.00 (Internal) \$8.50 (External)
Assisted Diagnostic Credit	\$0.50 (Internal) \$0.73 (External) \$1.44 (Corporate)

Assisted Sectioning (Cryo) - RNase free Core staff sectioning in RNase free environment	\$45.00 (Internal) \$60.00 (External) \$120.00 (Corporate)
Assisted Ultracut Sectioning (per hour) Additional charge based on complexity of sample and ROI request.	\$48.00 (Internal) \$60.00 (External) \$75.00 (Corporate)
BOND 380 Adhesive Slides (per box) Very strong adhesion, hydrophilic surface slides. Most useful for HIER processing and when tissue type requires extra strong adhesion, epitope enhancement and DNA probe procedures. 100 slides per box.	\$30.80 (Internal) \$30.80 (External)
Bouin's Solution per mL	\$0.50 (Internal) \$0.50 (External) \$0.50 (Corporate)
Brady Printed labels price per label	\$0.15 (Internal) \$0.15 (External) \$0.15 (Corporate)
Brightfield Tiling (40X magnification) 40x brightfield tiling of one slide	\$12.50 (Internal) \$16.25 (External) \$0.00 (Corporate)
Brightfield Tiling (up to 20X magnification) 2.5, 5, 10 or 20x magnification brightfield tiling of one slide	\$7.50 (Internal) \$9.75 (External) \$0.00 (Corporate)
Cacodylate Buffer (per mL)	\$0.10 (Internal) \$0.10 (External) \$0.10 (Corporate)
Carbon Coating (self use)	\$5.00 (Internal) \$6.50 (External) \$10.00 (Corporate)
Cardboard slide holder (20-ct) price per holder	\$15.00 (Internal) \$15.00 (External) \$15.00 (Corporate)
Cardboard slide holder (30-ct) price per holder	\$15.00 (Internal) \$15.00 (External) \$15.00 (Corporate)
Cassette Processing (1-30 cassettes per processing cycle) FY2024 Includes processing of tissue through appropriate processor cycle, and embedding of up to four (4) tissues per block. There is an additional charge if cassette labels have to be redone, or for embedding more than four (4) tissues in the same block.	\$7.25 (Internal) \$9.55 (External) \$19.10 (Corporate)
Cassette Processing (31+ cassettes per processing cycle) FY2024	\$6.50 (Internal) \$8.55 (External) \$17.10 (Corporate)
Cassette Processing Only (1-30 samples) Automated paraffin processing of tissues/samples in prelabeled cassettes. DOES NOT INCLUDE EMBEDDING	initiate request
Cassette Processing Only (31+ cassettes) Automated paraffin processing of tissues/samples in prelabeled cassettes. DOES NOT INCLUDE EMBEDDING	initiate request
Cell Processing (1-4 samples) TEM processing of cell samples requiring centrifugation using standard protocol DOES NOT INCLUDE EMBEDDING	\$250.00 (Internal) \$361.50 (External) \$621.00 (Corporate)
Cell Processing (5-8 samples) TEM processing of cell samples requiring centrifugation DOES NOT INCLUDE EMBEDDING	\$350.00 (Internal) \$549.00 (External) \$894.00 (Corporate)

Cell Sample Processing Only (per sample) Includes suspension of cell sample in appropriate matrix and automated paraffin processing. DOES NOT INCLUDE EMBEDDING.	\$7.00 (Internal) \$9.50 (External) \$13.00 (Corporate)
Congo Red Staining (up to 18 slide/run) Up to 18 slides per run	\$20.00 (Internal) \$29.25 (External) \$58.00 (Corporate)
Control Tissue Slides (for IHC) Includes two sections of control tissue spaced appropriately for IHC work. Slides will be prepared from in-house blocks at time of request and baked 1 hour at 60 degrees C. Specialty control tissues will be billed acquired from vendor and billed at cost.	\$10.00 (Internal) \$14.00 (External)
Copper mesh grids	\$0.22 (Internal) \$0.22 (External) \$0.22 (Corporate)
Coverslipping (Aqueous/Self-Curing) Coverslip mounted on slides with aqueous self-hardening mounting medium such as Prolong Diamond or Prolong Gold.	\$0.70 (Internal) \$0.95 (External)
Coverslipping (Non-Aqueous/Self-Curing) Coverslipping with non-aqueous self-hardening resin such as Permound or DPX.	\$0.55 (Internal) \$0.75 (External) \$1.35 (Corporate)
Coverslipping and Sealing (Aqueous Mounting Medium, Non-Curing) Coverslipping slides with non-curing aqueous-based mounting medium and sealing with nail polish or valap.	\$1.00 (Internal) \$1.45 (External)
Cresyl Violet stain (Nissl stain) Up to 29 slides using standard autostainer protocol	\$15.00 (Internal) \$20.00 (External) \$30.00 (Corporate)
Cryo Embedding (staff-assisted additional block or extra samples) Cryo embedding in OCT (or matrix of choice) for each sample block after the first, or each additional piece of tissue after the first four.	\$3.25 (Internal) \$3.50 (External)
Cryo Embedding Block (no staff assistance)	\$1.00 (Internal) \$1.50 (External)
Cryo Embedding First Block (Staff-assisted embedding with 1-4 tissues per block) Embedding up to four pieces of tissue in a single block using OCT or cryomatrix of choice. First block	\$6.25 (Internal) \$9.50 (External)
Cryo Embedding Station Setup (self use)	\$6.00 (Internal) \$7.50 (External)
Cryoembedding station Cancellation Fee	\$71.40 (Corporate)
Cryoembedding station No Show Fee	\$28.00 (Corporate)
Cryojane 1X adhesive slide	initiate request
Cryojane tape window (per each)	initiate request
Cryomold 7x7x5, 15x15x5, 24x24x5, 30x24x5 and 37x24x5 disposable base molds	\$0.31 (Internal) \$0.31 (External)
Cryotome Preparation (RNase free) Includes shutting down and fully drying cryotome, destroying potential RNA and DNA contamination, thoroughly rinsing, and treating for RNases.	\$50.00 (Internal) \$66.50 (External) \$133.00 (Corporate)
Cryotome Cryostar Cancellation Fee	\$7.50 (Internal) \$11.00 (External) \$56.40 (Corporate)
Cryotome Cryostar No Show Fee	\$15.00 (Internal) \$22.50 (External) \$28.00 (Corporate)

Crytome Lecia 3050 Cancellation Fee	\$7.50 (Internal) \$11.00 (External) \$55.40 (Corporate)
Crytome Lecia 3050 No Show Fee	\$14.50 (Internal) \$22.00 (External) \$28.00 (Corporate)
Cytospin Slide Includes one slide, one chamber, one wicking paper and preparation (and post-fixation, if required) of one sample. Does not include staining.	\$5.50 (Internal) \$7.00 (External)
Cytospin™ 4 Cytoentrifuge Cancellation Fee	\$0.00 (Internal) \$0.00 (External) \$64.40 (Corporate)
Cytospin™ 4 Cytoentrifuge No Show Fee	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)
Dapi Working Stock (up to 500uL) Working stock is prepared by adding 3 uL of a 10mg/mL solution of DAPI to 497uL dH2O	\$1.50 (Internal) \$1.75 (External)
Decalcification - End Point Check Only (per set)	\$1.50 (Internal) \$2.25 (External) \$4.75 (Corporate)
Decalcification and End Point Check (per set of up to 10 samples)	\$14.50 (Internal) \$19.25 (External) \$38.50 (Corporate)
Dehydration Series (standard) Standard dehydration series including increasing concentrations of Ethanol, Xylene/Ethanol mixture, and pure xylenes.	\$2.25 (Internal)
DeltaVision OMX Super Res. Cancellation Fee	\$27.50 (Internal) \$27.50 (External) \$49.40 (Corporate)
DeltaVision OMX Super Res. No Show Fee	\$27.50 (Internal) \$55.00 (External) \$28.00 (Corporate)
Denton Bench Top Turbo III Sputter Coater Cancellation Fee	\$70.40 (Corporate)
Denton Bench Top Turbo III Sputter Coater No Show Fee	\$28.00 (Corporate)
Deparaffinization Run (Autostainer)	\$2.50 (Internal) \$3.00 (External)
Destain/Restain H&E protocol Includes coverslip removal, rehydration, destaining of tissue, and restaining with standardized H&E protocol. A control slide addition can be requested at no charge (based on availability).	\$18.00 (Internal) \$24.00 (External)
Diagnostic/repair work	\$50.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Dual Chromagen (1-10 slides)	\$23.00 (Internal) \$28.00 (External)
Dual Chromagen (11-20 slides)	\$15.00 (Internal) \$18.00 (External)
Dual Fluorophore (1-10 slides)	\$22.00 (Internal) \$31.00 (External)
Dual Fluorophore (11-20 slides)	\$20.00 (Internal) \$27.50 (External)

Dual Label-Gold (1-5 grids) immunogold labeling of up to 5 TEM grids with two unique antibodies and two sizes of gold particles	\$24.00 (Internal) \$35.00 (External)
Embedding (1-4 tissues per block) Paraffin embedding of up to four pieces of tissue in a single block	initiate request
Embedding (per cell sample) TEM embedding of cell sample in BEEM capsule	\$3.50 (Internal) \$4.75 (External) \$9.75 (Corporate)
Ethylene Glycol (up to a 50mL aliquot) current stock catalog number BDH1125-4LG	\$1.32 (Internal) \$1.32 (External) \$1.32 (Corporate)
Extended After-Hours Usage Discount (6pm-8am) Time course studies and extended after-hours usage of equipment.	\$15.00 (Internal) \$21.75 (External) \$43.25 (Corporate)
Fluorescent Tiling (non-confocal; 40x magnification) Imaging or tiling of one slide at 40x magnification. Up to four standard colors depending on combination (dapi, gfp, cfp, yfp, rhodamine, texas red, CY5)	\$12.50 (Internal) \$16.25 (External)
Fluorescent Tiling (non-confocal; up to 20x magnification) Imaging or tiling of one slide at 5, 10 or 20x magnification. Up to four standard colors depending on combination (dapi, gfp, cfp, yfp, rhodamine, texas red, CY5)	\$7.50 (Internal) \$9.75 (External) \$0.00 (Corporate)
Formvar coated grids price per set of 10	\$15.00 (Internal) \$22.50 (External) \$32.50 (Corporate)
Formvar/carbon coated grids	\$2.70 (Internal) \$4.00 (External) \$6.25 (Corporate)
general cleaning	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Giemsa (up to 18 slides/run) Wright-Giemsa Stain Up to 18 slides per run	\$15.00 (Internal) \$22.00 (External) \$43.50 (Corporate)
Glass PEN Membrane Slides (for Laser Capture Microdissection) - per each Glass Slides (LCM) Special membrane slides for laser capture microdissection	\$10.75 (Internal) \$10.75 (External) \$10.75 (Corporate) initiate request
Glow discharge price per run	\$5.00 (Internal) \$7.50 (External) \$10.50 (Corporate)
Glutaraldehyde (25%) 10mL Vial	\$5.00 (Internal) \$5.00 (External) \$5.00 (Corporate)
Gram stain	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
H&E Stain (up to 30 slides/run) Up to 30 slides using standard autostainer protocol	\$13.75 (Internal) \$16.00 (External) \$28.00 (Corporate)
HIER heat based antigen retrieval with appropriate retrieval solution using the Retriever 2100	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)

Hitachi H7600 TEM Cancellation Fee	\$17.50 (Internal) \$25.00 (External) \$46.40 (Corporate)
Hitachi H7600 TEM No Show Fee	\$39.75 (Internal) \$50.00 (External) \$28.00 (Corporate)
Human Labelled Cell Imaging (per chambered coverglass) This is a particular type of human dual-stained cell chambered coverslide. Five random fields per well with up to 8 wells per slide. No z-stack, no tiling, no time-course, and no minimum number of cell requirements.	initiate request
Imaging Project (see attached quotation) A time course or multi-day imaging project that is priced based on a previously agreed upon quotation.	\$0.00 (Internal) \$0.00 (External)
ImmPACT DAB kit price per kit	\$188.00 (Internal) \$188.00 (External) \$188.00 (Corporate)
Label/Load Cassette Labeling cassette with appropriate information and loading sample into cassette. Does not include cassette price.	initiate request
Lead Citrate/Uranyl Acetate (up to 10/set) Standard lead staining protocol Up to 10 grids per run	\$32.00 (Internal) \$46.50 (External) \$87.00 (Corporate)
Lead Staining Protocol Training (additional charge) Protocol training and step by step assistane. This is in addition to standard lead staining fee for the number of grids being stained.	\$15.00 (Internal) \$20.00 (External)
Lecia Autostainer Cancellation Fee	\$0.00 (Internal) \$0.00 (External) \$59.40 (Corporate)
Lecia Autostainer No Show Fee	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)
Lecia Paraffin Microtome Cancellation Fee	\$6.00 (Internal) \$8.75 (External) \$54.40 (Corporate)
Lecia Paraffin Microtome No Show Fee	\$12.75 (Internal) \$17.50 (External) \$28.00 (Corporate)
Lecia Ultramicrotome Cancellation Fee	\$7.50 (Internal) \$11.00 (External) \$61.40 (Corporate)
Lecia Ultramicrotome No Show Fee	\$17.25 (Internal) \$22.00 (External) \$28.00 (Corporate)
Leica EG1160 Paraffin Embedder Cancellation Fee	\$0.00 (Internal) \$0.00 (External) \$65.40 (Corporate)
Leica EG1160 Paraffin Embedder No Show Fee	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)
Leica EMAFS Freeze Substitution System Cancellation Fee	\$69.40 (Corporate)
Leica EMAFS Freeze Substitution System No Show Fee	\$28.00 (Corporate)
Leica EMKRM2 Glass Knife Breaker Cancellation Fee	\$68.40 (Corporate)

Leica EMKRM2 Glass Knife Breaker No Show Fee	\$28.00 (Corporate)
LSM 510 Confocal Cancellation Fee	\$15.00 (Internal) \$21.75 (External) \$43.40 (Corporate)
LSM 510 Confocal No Show Fee	\$43.25 (Internal) \$43.50 (External) \$28.00 (Corporate)
LSM710 Confocal Time-Course Credit	\$0.25 (Internal) \$0.36 (External) \$0.72 (Corporate)
Luxol Fast Blue H&E Staining (up to 18 slides/run) Up to 18 slides per run	\$80.00 (Internal) \$120.00 (External)
Macro Imaging Cancellation Fee	\$3.75 (Internal) \$5.75 (External) \$53.40 (Corporate)
Macro Imaging No Show Fee	\$11.00 (Internal) \$11.50 (External) \$28.00 (Corporate)
MeOH-free Formaldehyde (16%) price per 10mL vial	\$6.25 (Internal) \$6.25 (External) \$6.25 (Corporate)
methylene blue stain	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Mini Pap Pen	\$48.00 (Internal) \$48.00 (External) \$48.00 (Corporate)
Miscellaneous	\$1.00 (Internal) \$1.00 (External) \$1.00 (Corporate)
MolDev ImageXpress Cancellation Fee	\$17.50 (Internal) \$25.25 (External) \$51.40 (Corporate)
MolDev ImageXpress No Show Fee	\$48.00 (Internal) \$50.50 (External) \$28.00 (Corporate)
Nanostring DSP 96-well plate (Protein) for NGS Imaging Facility Transcriptomics Sample Preparation and Library Construction - Includes RNase free sample processing, sectioning, staining, DSP instrument programming and setup (including calibration file upload), Library Readout prep, transfer to sequencing facility, post-sequencing file translation and upload to DSP instrument, and sample normalization for analysis. Price is per 96-well plate regardless of number of wells filled. Price does not include sequencing charges or analysis beyond data normalization.	\$1,400.00 (Internal) \$1,650.00 (External) \$3,600.00 (Corporate)
Nanostring DSP 96-well plate (RNA) for NGS Imaging Facility Transcriptomics Sample Preparation and Library Construction - Includes RNase free sample processing, sectioning, hybridization, morphology marker staining (optimized reagents), DSP instrument programming and setup (including calibration file upload), Library Readout prep, and transfer to sequencing facility. Price is per 96-well plate regardless of number of wells filled. Price does not include sequencing charges or analysis beyond data normalization.	\$1,625.00 (Internal) \$1,950.00 (External) \$3,900.00 (Corporate)
Negative Stain (per grid)* Includes one (1) carbon-coated formvar grid and staining with 4% Uranly Acetate. Substitution of a different negative staining solution will incur an additional fee. Does not include optimization.	\$4.35 (Internal) \$6.40 (External) \$11.10 (Corporate)

Negative Stain Optimization (per sample) per sample	\$13.50 (Internal) \$20.00 (External)
Neutral Buffered Formalin (10%) per mL	\$0.50 (Internal) \$0.50 (External) \$0.50 (Corporate)
Nickel Mesh grids	\$0.27 (Internal) \$0.27 (External) \$0.27 (Corporate)
Nile Red Staining (up to 8 slides/run) Up to 8 slides per run	\$25.00 (Internal) \$36.50 (External) \$72.50 (Corporate)
Normal Donkey Serum (per mL) per mL	\$7.20 (Internal) \$7.20 (External) \$7.20 (Corporate)
Normal Goat Serum per mL	\$7.00 (Internal) \$7.00 (External) \$7.00 (Corporate)
Normal Rabbit Serum per mL	\$7.50 (Internal) \$7.50 (External) \$7.50 (Corporate)
Offsite Staff Assistance	\$35.00 (Internal) \$45.00 (External) \$70.00 (Corporate)
Oil Red O Staining Up to 29 slides using standard autostainer protocol	\$12.00 (Internal) \$15.00 (External)
Olympus Dissection Scope Cancellation Fee	\$3.75 (Internal) \$5.75 (External) \$48.40 (Corporate)
Olympus Dissection Scope No Show Fee	\$11.00 (Internal) \$11.50 (External) \$28.00 (Corporate)
Olympys FV1000 Cancellation Fee	\$15.00 (Internal) \$21.75 (External) \$47.40 (Corporate)
Olympys FV1000 No Show Fee	\$43.25 (Internal) \$43.50 (External) \$28.00 (Corporate)
Orientation Specific Embedding (per sample - up to 10 blocks) TEM embedding to create resin block for sectioning	\$7.50 (Internal) \$10.00 (External)
Osmium Tetroxide price per 10mL vial	\$30.00 (Internal) \$30.00 (External) \$30.00 (Corporate)
Paraffin - Additional Slide(s) - Single Section Layout (provided as part of a quotation) Single section slides only if provided as part of a quotation based on work requested.	\$0.00 (Internal) \$1.00 (External) \$0.00 (Corporate)
Paraffin - Additional Slide(s) - Serial Slide Layout serial slide layout with up to four paraffin sections per slide (dependent upon tissue size)	\$4.25 (Internal) \$5.50 (External)

Paraffin - Additional Slide(s) - Standard Slide Layout Additional paraffin slide(s) cut during the same session, standard slide layout with up to four paraffin sections per slide. (dependent upon tissue size) Includes labor and equipment fee.	\$2.50 (Internal) \$3.25 (External)
Paraffin - Additional Slide(s)- sections from multiple blocks standard slide layout with paraffin sections from multiple sample blocks placed on each slide	\$5.50 (Internal) \$7.50 (External)
Paraffin - First Slide - Specific ROI Standard slide layout of sections from a designated region of interest 1st slide only. Additional slides charged at standard slide rate.	\$10.00 (Internal) \$14.50 (External)
Paraffin - First Slide - Standard/Serial Sections First slide cut from paraffin block after facing, where no particular region of interest or specific tissue depth has been requested. Slide may contain up to four consecutive sections.	\$5.50 (Internal) \$8.00 (External)
Paraffin - Repeating Depth Sectioning (per sample block) A continual discard of and/or collection of the same number of sections in a repeating pattern throughout a particular block	\$1.50 (Internal) \$2.00 (External)
Paraffin Molds Disposable	\$0.20 (Internal) \$0.20 (External) \$0.20 (Corporate)
Paraffin Processing and Embedding (multi-tissue single sample biopsy) Preparation, processing and flat-plane embedding of multiple pieces of human biopsy tissue into a single paraffin block	\$30.00 (Internal)
Paraffin Processing and Embedding (single tissue single biopsy sample) Preparation, processing and flat-plane embedding of a single piece of human biopsy tissue into a single paraffin block	\$24.00 (Internal)
Paraffin Shavings Collection of paraffin shavings normally discarded when trimming paraffin block	\$6.00 (Internal) \$10.00 (External)
Paraformaldehyde (16%) 10mL Vial	\$5.00 (Internal) \$5.00 (External) \$5.00 (Corporate)
Peel-Away Cryo Molds	\$1.45 (Internal) \$1.45 (External)
PEN-Membrane Slide per slide	\$11.25 (Internal) \$11.25 (External) \$11.25 (Corporate)
pentachrome movat's pentachrome	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Periodic Acid-Schiff Stain (PAS) (1st Slide) 1st Slide	\$9.50 (Internal) \$14.00 (External)
Periodic Acid-Schiff Stain (PAS) (Additional Slides) Additional Slides	\$4.50 (Internal) \$6.50 (External)
Permout (Mounting Medium)	\$0.24 (Internal) \$0.24 (External) \$0.00 (Corporate)
Phosphotungstic Acid-Hematoxylin Stain (PTAH) (up to 18 slides/run) Up to 18 slides per run	\$38.00 (Internal) \$55.00 (External)
Picric Acid Solution (Saturated)	\$0.12 (Internal) \$0.12 (External)
Picro Sirius Red Staining Up to 29 slides using standard autostainer protocol	\$12.00 (Internal) \$15.00 (External)
PIER: pepsin proteolytic antigen retrieval using pepsin	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)

PIER: proteinase K Proteolytic antigen retrieval using proteinase K	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
PIER: trypsin Proteolytic antigen retrieval using trypsin	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Prefilled Formalin vial (15mL) per vial	\$0.40 (Internal) \$0.40 (External) \$0.40 (Corporate)
Prefilled Formalin Vial (30mL) per vial	\$0.65 (Internal) \$0.65 (External) \$0.65 (Corporate)
Process Tissue (each sample after 8) TEM processing of nine or more samples using standard protocols	\$53.00 (Internal) \$83.00 (External)
Process Tissue (per set of 1-4 samples) TEM processing of up to four samples using standard protocol DOES NOT INCLUDE EMBEDDING	\$220.00 (Internal) \$335.00 (External)
Process Tissue (per set of 5-8 samples) TEM processing of between five and eight samples using standard protocol DOES NOT INCLUDE EMBEDDING	\$350.00 (Internal) \$550.00 (External)
Processor Prep (human tissue) Complete chemical flush and replacement of solutions (including infiltration wax) used for non-human sample processing with new, unused chemicals in Eprelia Exelsior AS Automated Tissue Processor	\$800.00 (Internal)
Prussian Blue (First 10 slides)	\$25.00 (Internal) \$35.00 (External) \$50.00 (Corporate)
Prussian Blue (per additional slide after the first 10)	\$1.75 (Internal) \$2.33 (External) \$3.50 (Corporate)
Publication Credit	\$100.00 (Internal) \$100.00 (External) \$100.00 (Corporate)
Quickbond (tube)	\$5.00 (Internal) \$5.00 (External) \$5.00 (Corporate)
R-Universal Epitope Recovery Buffer (10X) (per mL) Re-Embedding (per sample > 4 per block) This is a per block charge incurred per sample over four when re-embedded in the sample block.	\$1.47 (Internal) \$1.47 (External) \$1.47 (Corporate)
Re-Embedding (up to 5 blocks) Includes removal of sample from current cryomatrix and re-embedding sample in fresh OCT (up to five individual blocks). NOT RECOMMENDED FOR UNFIXED SAMPLES	initiate request
Re-Embedding/Reorientation of Paraffin Embedded Sample Includes melting of provided block and assisted reorientation of samples.	\$0.75 (Internal) \$0.83 (External)
Reclosable bags with white block writing area (pack of 100) 89073-144 sample storage bags	\$12.68 (Internal) \$12.68 (External) \$12.68 (Corporate)
Red Sable Brush	\$8.00 (Internal) \$8.00 (External) \$8.00 (Corporate)
Reichert EMM80 Slam FreezerLeica EMKRM2 Glass Knife Breaker Cancellation Fee	\$67.40 (Corporate)

Reichert EMM80 Slam FreezerLeica EMKRM2 Glass Knife Breaker No Show Fee	\$28.00 (Corporate)
	\$6.00 (Internal) \$8.75 (External) \$57.40 (Corporate)
Reichert Microtome Cancellation Fee	
	\$12.75 (Internal) \$17.50 (External) \$28.00 (Corporate)
Reichert Microtome No Show Fee	
	\$20.00 (Internal) \$26.60 (External) \$40.00 (Corporate)
Resin block reorientation (up to 3 blocks per sample) Removing and reattaching sample in a different orientation due to ROI specificity and/or knife angle limitations.	
	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
reticulin stain	
Retriever 2100 Cancellation Fee	\$72.40 (Corporate)
Retriever 2100 No Show Fee	\$28.00 (Corporate)
Reverse Process Only Automated deparaffinization, clearing and gradual rehydration of previously paraffin embedded tissue. DOES NOT INCLUDE REPROCESSING.	\$3.75 (Internal) \$5.00 (External)
Reverse Process/Reprocess Automated removal of paraffin and clearing of perviously paraffin embedded tissue, followed by reinfiltration with fresh paraffin. DOES NOT INCLUDE EMBEDDING	\$9.00 (Internal) \$12.50 (External)
RIN assessment curls Ten 10um sections placed in a tube for assessment of RNA content.	\$10.00 (Internal) \$13.00 (External)
	\$0.00 (Internal) \$0.00 (External) \$63.40 (Corporate)
RMC 1530 Tissue Processor Cancellation Fee	
	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)
RMC 1530 Tissue Processor No Show Fee	
RNase Free Paraffin Sectioning - additional slides Additional slides from any block during the same session.	\$2.50 (Internal) \$3.25 (External)
RNase Free Paraffin Sectioning - First Slide Includes RNase pre-treatment of equipment and placement of section on slide in accordance with downstream protocols.	\$22.00 (Internal) \$28.00 (External)
	\$15.00 (Internal) \$20.00 (External) \$30.00 (Corporate)
RNase Free Thick Section Curls (Visium) 20, 25 or 50um intact paraffin curls for Visium single cell processing procedure (2 total)	
Safranin O stain Up to 29 slides using standard autostainer protocol	\$12.50 (Internal) \$15.00 (External)
Secondary Antibody Aliquot (Fluorescent) 10uL equivalent aliquot of fluorescently labeled antibody (generally F(ab') ₂) against host animal of specific primary antibody. Cost will vary depending on antibody requested.	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
	\$5.00 (Internal) \$6.00 (External)
Secondary Only (Single Chromagen/Fluorophore Control Slide Staining)	
Sections from Multiple Cryo Blocks--Standard Slide Layout* Standard slide layout containing individual sections from multiple tissue blocks	\$3.75 (Internal) \$5.00 (External)

Semithin Slide Request (Pre-Ultrathin ROI)* Slide containing semithin sections used to verify presence of ROI	\$26.00 (Internal) \$37.75 (External) \$64.00 (Corporate)
Semithin Slide Request (Pre-Ultrathin Standard) Slide containing semithin sections used to verify presence of sample. Also includes trimming and facing of block, and staining of section with Toudine Blue.	\$16.00 (Internal) \$22.00 (External)
Shandon Finesse Microtome Cancellation Fee	\$6.00 (Internal) \$8.75 (External) \$58.40 (Corporate)
Shandon Finesse Microtome No Show Fee	\$12.75 (Internal) \$17.50 (External) \$28.00 (Corporate)
Shur/Mount (water based) price per bottle	\$85.00 (Internal) \$85.00 (External) \$85.00 (Corporate)
Single Chromagen (1-10 slides)	\$14.00 (Internal) \$19.00 (External)
Single Chromagen (11-20 slides)	\$10.00 (Internal) \$16.00 (External)
Single Fluorophore (1-10 slides)	\$10.50 (Internal) \$13.00 (External)
Single Fluorophore (11-20 slides)	\$9.00 (Internal) \$11.50 (External)
Single Label (1-5 grids) immunogold labeling of TEM grids for a single antibody with gold labeled secondary antibody	\$16.00 (Internal) \$20.00 (External)
Slide (Semithin Analysis-ROI) First slide containing up to 21 semithin section groups used for light microscopy visualization of a region of interest Does not include Toluidine Blue staining	\$45.00 (Internal) \$65.00 (External) \$105.00 (Corporate)
Slide (TEM Semithin Analysis-Standard)* First slide containing up to 21 semithing section groups. Used for light microscopy visualization and analysis of 500-1000nm sections. Does not include Toluidine Blue staining.	\$33.00 (Internal) \$48.00 (External)
Slide box (100-ct)	\$8.80 (Internal) \$8.80 (External)
Slide box (25-ct)	\$7.70 (Internal) \$7.70 (External)
Slide box (50-ct)	\$10.00 (Internal) \$10.00 (External) \$10.00 (Corporate)
Slide mailer (5-ct)	\$0.62 (Internal) \$0.62 (External)
Slides (Individual) price per individual slide	\$0.50 (Internal) \$0.50 (External) \$0.50 (Corporate)
Slides - Standard Plus Charged (Box) SlideMate Brand - price per box of 72	\$26.86 (Internal) \$26.86 (External)

Slides--(Special Adhesive) Special Adhesive	\$0.75 (Internal) \$0.75 (External) \$0.75 (Corporate)
Slides--(Standard Plus Charged) Standard Plus Charged	\$0.50 (Internal) \$0.50 (External) \$0.50 (Corporate)
Specific ROI Cryo Sections--Serial Slide Layout - 1st slide per set* serial slide layout with cryo sections from defined regions of interest 1st slide only. All additional slides billed at Standard Section - Serial Slide rate.	\$11.00 (Internal) \$16.00 (External)
Specific ROI Cryo Sections--Standard Slide Layout - 1st slide only* standard slide layout with cryo sections from designated regions of interest 1st slide only. Additional slides charged at standard slide rate.	\$10.50 (Internal) \$15.00 (External)
Staff Assistance (General Labor) per minute	\$0.37 (Internal) \$0.50 (External)
Staff Assistance (Technical Labor/Microscopy) per minute	\$0.55 (Internal) \$0.75 (External)
Standard Cryo Sections--Serial Slide Layout* Serial slide layout with up to four standard sections per slide	\$3.00 (Internal) \$4.00 (External)
Standard Cryo Sections--Standard Slide Layout* Standard slide layout with up to four cryosections per slide (dependent upon tissue size)	\$2.75 (Internal) \$3.25 (External)
Standard Embedding (per sample-up to 10 blocks) TEM embedding to create resin blocks for sectioning NO SPECIFIC ORIENTATION	\$5.50 (Internal) \$7.50 (External)
Sudan Black B (up to 8 slides/run) up to 8 slides per run	\$25.00 (Internal) \$36.50 (External) \$72.50 (Corporate)
TEM grid storage box	\$33.75 (Internal) \$33.75 (External)
TEM grid storage box (100-ct)	\$20.00 (Internal) \$20.00 (External) \$20.00 (Corporate)
TEM grid storage box (50-ct)	\$20.00 (Internal) \$20.00 (External) \$20.00 (Corporate)
TEM Tissue Processing Training (additional) Protocol training and step by step assistance with tissue processing. This fee is in addition to the charge for TEM sample prep services.	\$50.00 (Internal) \$66.50 (External) \$150.00 (Corporate)
ThermoShandon Consul Automatic Coverslipper Cancellation Fee	\$0.00 (Internal) \$0.00 (External) \$66.40 (Corporate)
ThermoShandon Consul Automatic Coverslipper No Show Fee	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)
ThermoShandon Excelsior Tissue Processor Cancellation Fee	\$0.00 (Internal) \$0.00 (External) \$62.40 (Corporate)
ThermoShandon Excelsior Tissue Processor No Show Fee	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)

Tissue Grossing--Cryo	\$1.00 (Internal) \$1.50 (External) \$2.00 (Corporate)
Trimming down tissue prior to cryo embedding.	
Tissue Grossing--Paraffin (per sample) Trimming down tissue samples prior to processing.	\$1.00 (Internal) \$1.50 (External) \$2.00 (Corporate)
Tissue Grossing--TEM trimming down samples to appropriate size for TEM processing	\$1.50 (Internal) \$2.00 (External)
Tissue Processing (1-30 cassettes per processing cycle) FY2024 Includes labeling of cassette, loading of tissue into cassette, processing of tissue through appropriate processor cycle, and embedding of up to four (4) tissues per block. There is an additional per tissue charge for embedding more than four (4) tissues in the same block.	\$8.15 (Internal) \$10.85 (External) \$21.70 (Corporate)
Tissue Processing (31+ cassettes per processing cycle) FY2024 Includes labeling of cassette, loading of tissue into cassette, processing of tissue through appropriate processor cycle, and embedding of up to four (4) tissues per block. There is an additional per tissue charge for embedding more than four (4) tissues in the same block.	\$7.40 (Internal) \$9.85 (External) \$19.70 (Corporate)
Tissue Processing Cassettes (Chambered)	\$1.50 (Internal) \$1.50 (External) \$1.50 (Corporate)
Tissue Processing Cassettes (Mega)	\$0.35 (Internal) \$0.35 (External)
Tissue Processing Cassettes (Standard)	\$0.22 (Internal) \$0.22 (External)
Tissue Processing Only (1-30 cassettes) Includes labeling cassette, placing tissue into labeled cassette, and running through appropriate automated paraffin processor cycle. DOES NOT INCLUDE TISSUE GROSSING OR EMBEDDING	initiate request
Tissue Processing Only (31+ cassettes) Includes labeling cassette, placing tissue into labeled cassette, and running through appropriate automated paraffin processor cycle. DOES NOT INCLUDE TISSUE GROSSING OR EMBEDDING	initiate request
Tissue-Tek Cryo Molds	\$0.30 (Internal) \$0.30 (External) \$0.30 (Corporate)
Tissue-Tek OCT optimal cutting temperature compound 4583 price per bottle Andwin Scientific 14-373-65	\$19.00 (Internal) \$19.00 (External) \$19.00 (Corporate)
Toluidine Blue O	\$0.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Toluidine Blue Staining per rack	\$1.50 (Internal) \$2.25 (External) \$3.75 (Corporate)
Trichrome - Gomori's One-Step Up to 8 slides per run	\$58.00 (Internal) \$85.00 (External)
Trichrome - Heidainhain's AZAN Up to 8 slides per run	\$57.00 (Internal) \$84.25 (External) \$144.50 (Corporate)
Trichrome - Mallory's Up to 8 slides per run	\$57.00 (Internal) \$84.25 (External) \$144.50 (Corporate)

Trichrome - Masson's (up to 29 slides per run) Up to 18 samples slides plus one (provided) control slide	\$60.00 (Internal) \$85.00 (External) \$150.00 (Corporate)
triple fluorophore (1-10 slides) Immunofluorescent labeling with three unique fluorophores on one sample and an appropriate nuclear counterstain (if requested)	\$25.00 (Internal) \$32.00 (External)
triple fluorophore (11-20 slides)	\$22.50 (Internal) \$30.00 (External)
TruBond 380 Adhesive Slides (specialty for IHC and high pH)	\$42.59 (Internal) \$42.59 (External) \$42.59 (Corporate)
Ultrathin Grids (additional after 5 or when Semithins are also requested)*	\$2.25 (Internal) \$3.00 (External)
Ultrathins (ROI-up to 5 grids)* Ultramicrotome sectioning of resin block to isolate and view a designated area using TEM	\$35.50 (Internal) \$51.75 (External) \$88.00 (Corporate)
Ultrathins (standard-up to 5 grids per sample)* Ultramicrotome sectioning of resin blocks to create sections to be viewed on TEM. Includes a preview slide of semithin to verify sample content.	\$25.00 (Internal) \$35.00 (External) \$0.00 (Corporate)
Unassisted Use Credit (Staff Set)	\$0.35 (Internal) \$0.50 (External)
Uranyl Formate (2mL solution for negative staining) Verhoeff's elastic stain Verhoeff-van Giesen stain	\$11.00 (Internal) \$14.00 (External) \$20.50 (Corporate) initiate request
Vibratome and Sliding Microtome Cancellation Fee	\$0.00 (Internal) \$0.00 (External) \$60.40 (Corporate)
Vibratome and Sliding Microtome No Show Fee	\$0.00 (Internal) \$0.00 (External) \$28.00 (Corporate)
Vibratome Offsite Use - Daily Rate (9am - 9am) Use of the Vibratome away from the Imaging Core Facility. Daily rate will be billed at 9am following the day the unit is picked up, and not based on a 24-hour usage cycle.	\$20.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Vibratome Offsite Use - Weekly Rate Use of the Vibratome away from the Imaging Core Facility. Weekly rate will be billed at 9am of the 8th day of usage.	\$80.00 (Internal) \$0.00 (External) \$0.00 (Corporate)
Vibratome Rental price per day	\$20.00 (Internal) \$36.00 (External) \$45.00 (Corporate)
Vibratome Rental price per week	\$60.00 (Internal) \$90.00 (External) \$135.00 (Corporate)
Visium Gene Expression Slide (Unfixed Cryo) RNase free protocol for Visium ST Gene Expression slide including sample sectioning, staining, image tiling at 10X within each fiducial frame	\$350.00 (Internal) \$400.00 (External) \$650.00 (Corporate)
Visium ST Optimization slide (Unfixed Cryo) Includes RNase free sectioning of one sample, H&E staining, tiled imaging at 10X, and permeabilization optimization protocol with visualization.	\$300.00 (Internal) \$350.00 (External) \$550.00 (Corporate)

Visium-related H&E exemplar slide imaging Tiled 10x imaging of pre- and/or post-Visium slide placement section(s) (on standard plus-charged slide) for comparison and tissue morphology. Also for samples checking morphology for RIN score comparison or Visium suitability.	\$6.75 (Internal) \$9.00 (External) \$13.50 (Corporate)
WillCo dish (standard)	\$5.95 (Internal) \$5.95 (External) \$5.95 (Corporate)
WillCo dish (super-res)	\$7.30 (Internal) \$7.30 (External) \$7.30 (Corporate)
Zeiss Inverted Flourescent Microscope 2 Cancellation Fee	\$7.50 (Internal) \$11.00 (External) \$45.40 (Corporate)
Zeiss Inverted Flourescent Microscope 2 No Show Fee	\$15.00 (Internal) \$22.00 (External) \$28.00 (Corporate)
Zeiss Inverted Flourescent Microscope Cancellation Fee	\$7.50 (Internal) \$11.00 (External) \$44.40 (Corporate)
Zeiss Inverted Flourescent Microscope No Show Fee	\$15.00 (Internal) \$22.00 (External) \$28.00 (Corporate)
Zeiss LSM710 Confocal Cancellation Fee	\$15.00 (Internal) \$21.75 (External) \$52.40 (Corporate)
Zeiss LSM710 Confocal No Show Fee	\$30.00 (Internal) \$43.50 (External) \$28.00 (Corporate)
Zeiss LSM880 Cancellation Fee	\$15.00 (Internal) \$22.50 (External) \$0.00 (Corporate)
Zeiss LSM880 Confocal No Show Fee	\$30.00 (Internal) \$43.50 (External) \$0.00 (Corporate)