



**UNIVERSITY OF GEORGIA
Histology Laboratory**

Department of Pathology
College of Veterinary Medicine
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**Custom services available
upon request.**

**For same day specials and IHC,
requests must be received by 9am.**

Submission Date: _____

Accession #s: _____

*If requesting multiple accessions, please include a list or
spreadsheet on a separate page.*

Clinic or Department Name: _____

Address: _____

Block #s: _____

City, State, Zip: _____

Species: _____

Billing Email: _____

Breed: _____

Histology Account No: _____

Pathologist/Requestor: _____

UGA Only – Speedtype or Chartstring:

Email: _____

All sections are cut at 4um unless otherwise specified

Routine Histology

Process, Embed, Sectioning H&E Unstained	Recut paraffin embedded block H&E Unstained	Unstained Probe-On Slides <i>*Commonly used for ISH, RNAscope, etc.</i>
Process, Embed Only (no sectioning)	Serial Sections (3 consecutive sections)	H&E Staining of Precut Slides
Process Only (no embed or sectioning)	H&E	Frozen Section, H&E Stain
Embed only or Re-Embed	Unstained	Frozen Section, Unstained
Deparaffinization of Precut Slides	Step Sections (3 sections, each 12um apart)	Frozen Section, Special Stain <i>Select special stains below</i>
Coverslip Only	H&E	
Scrolls for PCR - five 20um scrolls per tube	Unstained	Quantity: _____

Special Stains

Acid Fast Bacteria, Ziehl-Neelsen (AFB)	Grocott's Methenamine Silver (GMS)	PASH/Masson's Trichrome Combo
Acid Fast Bacteria, Modified (mAFB)	GMS for Pythium	Periodic Acid Schiff (PAS) Fungal
AgNOR	Hall's Stain for Bile	Hematoxylin
Alcian Blue/PAS	Helicobacter Pylori, Modified	Fast Green
Alcian Blue, pH 1.0	Luna Stain for Eosinophils, 6um	Periodic Acid Schiff (PAS) Basement Membrane, 3 um
Alcian Blue, pH 2.5	Luxol Fast Blue/Cresyl Echt Violet, 8um	Hematoxylin
Alizarin Red S for Calcium	Luxol Fast Blue/PASH, 6um	Fast Green
Congo Red, Bennhold's, 8um	Jones Basement Membrane, 3um	Perl's Iron
Copper	Masson's Trichrome	Picosirious Red for Collagen I & III
Cresyl Echt Violet, 8um	Mayer's Mucicarmine	PTAH for Muscle Striations & Fibrin
Fontana-Masson	Melanin Bleach w/H&E	Safranin O for Cartilage
Fraser-Lendrum for Fibrin	Melanin Bleach w/Fast Red	Sudan IV for Lipids (FFPE or Frozen Section)
Giemsa	Methyl Green-Pyronin Y	Toluidine Blue
Gimenez	Oil Red O (Frozen Section)	Verhoeff van Gieson Stain for Elastic
Gomori Stain for Reticular Fibers	Okajima	Von Kossa Stain for Calcium
Gram Stain, Modified Brown-Hopps	PAS Diastase (2 slides, 1 w/ & 1 w/o diastase)	Warthin Starry
Grimelius		

Plant Histology

Process, Embed, Toluidine Blue	Process, Embed, Safranin w/Fast Green
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For Lab Use Only

Process: _____	Research #: _____	# of Slides: _____	Date Completed: _____
Embed: _____	Tech: _____	# of Controls: _____	Date Billed: _____

Research submissions must be given a histology research number. Research samples are run overnight Monday-Thursday in the order in which they are received.

Immunohistochemistry

All antibodies validated on canine tissue, unless otherwise specified

Infectious Disease Markers

Aspergillus	Coronavirus Group II (Bovine, Elk, Porcine)	Neospora caninum
Bartonella henselae	Coronavirus SARS-COV-2 (COVID)	Papillomavirus (HPV)
Blastomyces	Cryptosporidium parvum*	Parvovirus, Canine/Feline*
Borrelia burgdorferi	Duck Viral Enteritis (DVE)	Rabies
Bovine Herpesvirus 1 (IBR)	Eastern Equine Encephalitis (EEE)	Monoclonal
Bovine Respiratory Syncytial Virus (BRSV)	Epizootic Hemorrhagic Disease Virus (EHDV-2)#	Polyclonal
Bovine Viral Diarrhea Virus (BVDV)	Feline Herpesvirus Type I	Rabbit Hemorrhagic Disease (RHDV)
Campylobacter spp.	Francisella tularensis (Tularemia)	Sarcocystis neurona*
Canine Adenovirus Type 1	Histoplasma	Toxoplasma gondii
Canine Distemper Virus/Morbillivirus (CDV)	Influenza A	Vaccinia (Monkey Pox)
Chlamydia	Monoclonal	Wellfleet Bay Virus
Monoclonal	Polyclonal	West Nile Virus (WNV)
Polyclonal	Leptospira spp.	
Coccidioides	Listeria monocytogenes	
Coronavirus Group I (Canine, Feline, Ferret)		

*May cross-react with other related species
#Likely to cross-react with other serotypes

Tumor/Tissue/Cell Markers

A20/TNFAIP3	Desmin	Neuron Specific Enolase (NSE)
ACTH	Doublecortin (DCX)	NOS2
Alpha Fetoprotein	E-Cadherin	OLIG2
Alpha Melanocyte Stimulating Hormone	EGFR (Epidermal Growth Factor Receptor)	Osteonectin (hSPARC)
Calcitonin	Factor VIII related antigen	PAX-5
Calretinin	Factor XIII A	PCNA (Proliferating Cell Nuclear Agent)
Caspase 3, Cleaved	Factor XIII B	PDL-1
CD117, C-Kit	FoxP3	PGP 9.5
CD11d	GFAP (Glial Fibrillary Acidic Protein)	PNL2
CD14	Glucagon	PTH (Parathyroid Hormone)
CD18 Canine	GranzymeB	PTH-rp (Parathyroid Hormone Related Peptide)
CD18 Feline	Her2	PROX-1
CD20	Hepatocyte Specific Antigen (HSA)	Renin
CD204	Histamine	RUNX2
CD21	IBA-1	S-100
CD3 (made in rabbit) – commonly used	IgA Bovine	Smooth Muscle Actin (SMA)
CD3 (made in mouse) – for rabbit tissue	IGF2 (Insulin-Like Growth Factor)	Somatostatin
CD30	IgG Canine	SOX10
CD31	Inhibin-Alpha	Synaptophysin
CD45	INSM1	Thyroglobulin
CD45-RA	Insulin	TTF-1 (Thyroid Transcription Factor)
CD71	Ki67	Vimentin V9
CD79a	Kir7.1	Vimentin SP20
Chromogranin A	Lysozyme	Wilm's Tumor
Cox-2	MAC387	
Cytokeratin 5/6	Melan A	
Cytokeratin 7	MHC II	
Cytokeratin HMW	MUM1	
Cytokeratin LMW 8/18	Myelin Basic Protein (MBP)	
Cytokeratin, Pan AE1/AE3	Myoglobin	
Cytokeratin, Pan Lu-5	Neurofilament	
Cytokeratin Plus, Pan Ae1/Ae3 + 8/18	NeuN (Neuronal Nuclear Antigen & Neuron)	

Special Instructions:

IHC staining is performed Monday, Tuesday, Thursday, and Friday. UGA clients should review slides within 72 hours of email notification. External clients should review slides within 72 hours of receiving package. Any troubleshooting or repeat staining after this time may incur additional charges.

Antibody list current as of July 1, 2026. For any antibodies not listed, contact the lab directly for details on protocol workup.