



UNIVERSITY OF GEORGIA Histology Laboratory

Department of Pathology
College of Veterinary Medicine
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FOR LAB USE ONLY:

Date Completed: _____
Number of Total Slides: _____
Tech Initials: _____

Submission Date: _____

Accession #s: _____

Clinic or Department Name: _____

Block #s: _____

Address: _____

Species: _____

City, State, Zip: _____

Breed: _____

Billing Email: _____

Pathologist/Requestor: _____

Histology Account No: _____

Email: _____

UGA Only – Speedtype or Chartstring: _____

Routine Histology

Process, Embed, H&E Stain
Process, Embed Only (no staining)
Process Only (no embed or stain)
Embed only or Re-Embed
Recut (1 H&E slide)
H&E Staining of Precut Slides

Serial Sections (3 consecutive H&E slides)
Step Sections (3 H&E slides, each 12um apart)
Deparaffinization of Precut Slides
Coverslip Only
Surface Decal (Full decal use form PaH100.cv)
Bullets (Scrolls for PCR)
*3 – 10um scrolls per tube

Unstained Charged Slides (+ slides)
*All general needs including IHC
Unstained Probe-On Slides
*Commonly for ISH, RNAscope, etc.
Frozen Section, H&E Stain
Frozen Section, Unstained
Frozen Section, Special Stain

Plant Histology

Process, Embed, Toluidine Blue

Process, Embed, Safranin w/Fast Green

Special Stains

Acid Fast Bacteria, Ziehl-Neelsen (AFB)
Acid Fast Bacteria, Modified (mAFB)
AgNOR
Alcian Blue/PAS
Alcian Blue, pH 1.0
Alcian Blue, pH 2.5
Congo Red, Bennhold's
Copper
Cresyl Echt Violet
Fontana-Masson
Fraser-Lendrum for Fibrin
Giemsa
Gimenez
Gomori Stain for Reticular Fibers
Gram Stain, Modified Brown-Hopps
Grimelius

Grocott's Methenamine Silver (GMS)
GMS for Pythium
Hall's Stain for Bile
Helicobacter Pylori, Modified
Luna Stain for Eosinophils
Luxol Fast Blue/Cresyl Echt Violet
Luxol Fast Blue/PASH
Jones Basement Membrane
Masson's Trichrome
Mayer's Mucicarmine
Melanin Bleach w/H&E
Melanin Bleach w/Fast Red
Methyl Green-Pyronin Y
Oil Red O (Frozen Section)
Okajima
PAS Diastase (2 slides, 1 w/ & 1 w/o diastase)

PASH/Masson's Trichrome Combo
Periodic Acid Schiff (PAS) Fungal
Hematoxylin
Light Green
Periodic Acid Schiff (PAS) Basement Membrane
Hematoxylin
Light Green
Perl's Iron
Picosirious Red for Collagen I & III
PTAH for Muscle Striations & Fibrin
Safranin O for Cartilage
Sudan IV for Lipids (FFPE or Frozen Section)
Toluidine Blue
Verhoeff van Gieson Stain for Elastic
Von Kossa Stain for Calcium
Warthin Starry

Special Instructions:

****NOTE: Custom services are available upon request. Research Samples must be labeled with a Histology Accession Number. Research samples are processed overnight Monday through Thursday only, and in the order in which we receive them. All Special Requests must be received before 9am for same day service.**

Immunohistochemistry

***May cross-react with other related species.**

Aspergillus
Bartonella henselae
Borrelia burgdorferi
Bovine Herpesvirus 1 (IBR)
Bovine Respiratory Syncytial Virus (BRSV)
Bovine Viral Diarrhea Virus (BVDV)
Campylobacter spp.
Canine Adenovirus Type 1
Canine Distemper Virus/Morbillivirus (CDV)
Chlamydia
 Monoclonal
 Polyclonal

Infectious Disease Markers

Coronavirus Group I (Canine, Feline, Ferret)
Coronavirus Group II (Bovine, Elk, Porcine)
Coronavirus SARS-COV-2 (COVID)
Cryptosporidium parvum*
Duck Viral Enteritis (DVE)
Eastern Equine Encephalitis (EEE)
Epizootic Hemorrhagic Disease Virus (EHDV-2) #
Feline Herpesvirus Type I
Francisella tularensis (Tularemia)
Influenza A
 Monoclonal
 Polyclonal

#Likely to cross-react with other serotypes

Leptospira spp.
Listeria monocytogenes
Neospora caninum
Papillomavirus (HPV)
Canine/Feline Parvovirus*
Rabies virus
 Monoclonal
 Polyclonal
Rabbit Hemorrhagic Disease (RHDV)
Sarcocystis neurona*
Toxoplasma gondii
Vaccinia (Monkey Pox)
West Nile Virus (WNV)

Tumor/Tissue/Cell Markers

A20/TNFAIP3
Calcitonin
Calretinin
Caspase 3, Cleaved
CD3 (made in rabbit) – commonly used
CD3 (made in mouse) – for rabbit tissue
CD11d
CD14
CD18 Canine
CD20
CD21
CD25
CD31
CD45
CD45-RA
CD79a
CD117, C-kit
CD204
Chromogranin A
Cox-2
Cytokeratin 5/6
Cytokeratin HMW
Cytokeratin LMW 8/18
Cytokeratin, Pan AE1/AE3
Cytokeratin, Pan Lu-5
Cytokeratin Plus, Pan AE1/AE3 + 8/18
Desmin
Doublecortin (DCX)

E-Cadherin
EGFR (Epidermal Growth Factor Receptor)
Factor VIII related antigen
Factor XIII-A
Factor XIII-B
FoxP3
GFAP (Glial Fibrillary Acidic Protein)
Glucagon
Granzyme B
Her2
Hepatocyte Specific Antigen (HSA)
Histamine
IBA-1
IGF2 (Insulin-like Growth Factor)
IgA Bovine
IgG Canine
IgG Equine
INSM1
Insulin
Ki67
Lysozyme
MAC387
Melan A
MHC II
MUM1
Myelin Basic Protein (MBP)
Myoglobin
Neurofilament

NeuN (Neuronal Nuclear Antigen & Neuron)
Neuron Specific Enolase (NSE)
NOS2
OLIG2
Osteonectin (hSPARC)
PAX-5
PCNA (Proliferating Cell Nuclear Antigen)
PDL-1
PGP 9.5
PNL2
PTH (Parathyroid Hormone)
PTH-rp (Parathyroid Hormone-Related Peptide)
PROX-1
RUNX2
S-100
Smooth Muscle Actin (SMA)
Somatostatin
SOX10
Synaptophysin
Thyroglobulin
TTF-1 (Thyroid Transcription Factor)
Vimentin V9
Vimentin SP20
Wilm's Tumor
YFP (Yellow Fluorescent Protein)

****Disclaimer: IHC staining is performed Monday, Tuesday, Thursday, and Friday. Requests are due by 9am. Primary antibodies are validated and optimized on canine tissues unless otherwise specified. All IHC requests will be run with validated and optimized protocols. For internal clients, slides should be reviewed within 72 hours after receiving notification that staining has been completed to ensure desired outcomes. For external clients, slides should be reviewed within 72 hours of receipt. The Histology Lab will be happy to trouble shoot and work on a protocol for any antibody that does not stain as desired by the submitting party, however we will not be responsible for further charges when notified after 72 hours.**