

**LADDL****IMMUNOHISTOCHEMISTRY
FEE SCHEDULE**

Louisiana Animal Disease Diagnostic Laboratory

225-578-9777

Please Note: The listed fee is the price charged to the veterinarian for LADDL's diagnostic test. Clients of veterinarians should expect their final cost to be higher to compensate for professional input, such as specimen collection and preparation, shipping and handling, interpretation of test results and incorporation of those results into a treatment plan.

Test Description	Code	Fee	Schedule	Estimated Turnaround Time
<u>INFECTIOUS AGENTS IHC</u>				
<u>BACTERIAL AGENTS IHC</u>				
Chlamydia species	IH001	\$40.00	M-F	24-48 hrs
Listeria	IH002	\$35.00	M-F	24-48 hrs
Salmonella species	IH003	\$40.00	M-F	24-48 hrs
<u>FUNGAL AGENTS IHC</u>				
Fungal agents ¹	IH004	\$35.00	M-F	24-48 hrs
<u>VIRAL AGENTS IHC</u>				
Bovine viral diarrhea virus (BVDV)	IH005	\$35.00	M-F	24-48 hrs
Canine Distemper virus (CDV)	IH006	\$40.00	M-F	24-48 hrs
Canine parvovirus (CPV)/Feline panleukopenia virus (FPV)	IH007	\$40.00	M-F	24-48 hrs
Eastern Equine Encephalitis virus (EEEV)	IH008	\$40.00	M-F	24-48 hrs
Equine arteritis virus (EAV)	IH009	\$40.00	M-F	24-48 hrs
Equine herpesvirus type 1 (EHV-1)	IH010	\$40.00	M-F	24-48 hrs
Feline calicivirus (FCV) ¹	IH011	\$40.00	M-F	24-48 hrs
Feline infectious peritonitis virus (FIP)	IH012	\$40.00	M-F	24-48 hrs
Feline Leukemia virus (FeLV)	IH013	\$40.00	M-F	24-48 hrs
Influenza virus A ¹	IH014	\$40.00	M-F	24-48 hrs
Papillomavirus	IH015	\$40.00	M-F	24-48 hrs
Rabies ¹	IH016	\$40.00	M-F	24-48 hrs
SARS Coronavirus 2 (SARS-CoV-2)	IH017	\$40.00	M-F	24-48 hrs
West Nile virus (WNV)	IH018	\$40.00	M-F	24-48 hrs
<u>PRION DISEASES IHC</u>				
Chronic wasting disease (CWD) surveillance: formalin fixed tissues (stained obex and lymph nodes on one slide/animal) - In State Contract *Additional charges for specimen collection and disposal	IH019	\$30.00	M-F	1-2 weeks

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Chronic wasting disease (CWD) surveillance: formalin fixed tissues (stained obex and lymph nodes on one slide/animal) - Directly received from hunters or farmers in Louisiana *Additional charges for specimen collection and disposal	IH020	\$45.00	M-F	1-2 weeks
Chronic wasting disease (CWD) surveillance: formalin fixed tissues (stained obex and lymph nodes on one slide/animal) - Out of State *Additional charges for specimen collection and disposal	IH021	\$45.00	M-F	1-2 weeks
Chronic wasting disease (CWD) <u>suspected clinical case</u> (emaciated or suspected cases): formalin fixed tissues (stained obex and lymph nodes on <u>two</u> slides/animal as required by the NVSL) - In state or out of state *Additional charges for specimen collection and disposal	IH022	\$55.00	M-F	1-2 weeks
Scrapie surveillance: formalin fixed tissues (stained obex and lymph nodes on one slide/animal) - requires approval from the State Veterinarian	IH023	\$45.00	M-F	1-2 weeks
*Obex/lymph node collection	IH106	\$20.00	NA	NA
PROTOZOAN PARASITES IHC				
<i>Neospora caninum</i> ¹	IH024	\$45.00	M-F	24-48 hrs
<i>Sarcocystis neurona</i>	IH025	\$45.00	M-F	24-48 hrs
<i>Trypanosoma cruzi</i> ¹	IH026	\$45.00	M-F	24-48 hrs
<i>Toxoplasma gondii</i>	IH027	\$45.00	M-F	24-48 hrs
RESEARCH IHC AND ASSAY OPTIMIZATION				
Antibody (single antibody and detection kit provided by LADDL. This is the base or standard IHC fee/slide) - staining, and coverslipping/slide	IH028	\$35.00	M-F	24-48 hrs
Antibody (single antibody) provided by the researcher, detection kit provided by LADDL) /slide	IH029	\$30.00	M-F	24-48 hrs
Antibody (single antibody and detection kit provided by LADDL); cut sections provided by the researcher - staining, and coverslipping/slide	IH030	\$35.00	M-F	24-48 hrs
Antibody (single) and the sections provided by the researcher, and detection kit provided by LADDL - staining, and coverslipping/slide	IH031	\$30.00	M-F	24-48 hrs
Antibody (single), mouse on mouse (M.O.M) - Antibody and M.O.M. detection kit provided by LADDL	IH032	\$45.00	M-F	24-48 hrs
Antibody (single) purchased and provided by the researcher. M.O.M. detection kit provided by LADDL - staining, and coverslipping/slide	IH033	\$40.00	M-F	24-48 hrs

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Antibody and the M.O.M. detection kit is provided by the researcher - staining, and coverslipping/slide	IH034	\$30.00	M-F	24-48 hrs
IHC service bench fee - antibody (single) IHC assay optimization ²	IH035	\$165.00	M-F	5-10 working days
IHC service bench fee - dual antibody IHC assay optimization (brown and red) with antibodies provided by the researcher ³	IH036	\$1000-\$1700	M-F	2-3 weeks
Dual IHC (brown and red) with antibodies provided by researcher - fee/slide after optimization	IH037	\$60.00	M-F	24-48 hrs
<u>SPECIFIC CELLULAR ANTIGEN MARKERS IHC</u>				
Actin, sarcomeric	IH038	\$35.00	M-F	24-48 hrs
Smooth muscle actin (SMA)	IH040	\$35.00	M-F	24-48 hrs
Cytokeratin AE1/AE3	IH041	\$35.00	M-F	24-48 hrs
Cytokeratin MNF-116	IH042	\$35.00	M-F	24-48 hrs
Cytokeratin 7	IH043	\$35.00	M-F	24-48 hrs
Desmin	IH044	\$35.00	M-F	24-48 hrs
Insulin	IH045	\$35.00	M-F	24-48 hrs
Lysozyme	IH046	\$35.00	M-F	24-48 hrs
MHC II	IH047	\$35.00	M-F	24-48 hrs
Myelin basic protein	IH048	\$35.00	M-F	24-48 hrs
<u>CD MARKERS SMALL ANIMALS IHC</u>				
Feline and canine CD3 (T cell)	IH049	\$35.00	M-F	24-48 hrs
Clinical pathology canine and feline CD3 and CD79a (B and T cell lymphoma panel)	IH050	\$50.00	M-F	24-48 hrs
Canine CD11d	IH051	\$40.00	M-F	24-48 hrs
Canine CD18	IH052	\$40.00	M-F	24-48 hrs
Feline CD18	IH053	\$40.00	M-F	24-48 hrs
Canine and feline CD20	IH054	\$35.00	M-F	24-48 hrs
Canine and feline CD163	IH072	\$40.00	M-F	24-48 hrs
Canine and feline CD204	IH074	\$40.00	M-F	24-48 hrs
Canine CD31	IH055	\$35.00	M-F	24-48 hrs
Feline CD61	IH056	\$35.00	M-F	24-48 hrs
Canine CD79a	IH058	\$35.00	M-F	24-48 hrs
<u>CD MARKERS EQUINE IHC</u>				
Equine CD2 (fresh frozen sections only)	IH059	\$35.00	M-F	48-72 hrs
Equine CD3 (monoclonal antibody or polyclonal antibody)	IH060	\$35.00	M-F	24-48 hrs
Equine CD3 (UC F6G-3; fresh frozen sections only)	IH061	\$35.00	M-F	48-72 hrs

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Equine CD4 (fresh frozen sections only)	IH062	\$35.00	M-F	48-72 hrs
Equine CD5 (fresh frozen sections only)	IH063	\$35.00	M-F	48-72 hrs
Equine CD8 (fresh frozen sections only)	IH064	\$35.00	M-F	48-72 hrs
Equine CD18	IH065	\$40.00	M-F	24-48 hrs
Equine CD20	IH066	\$35.00	M-F	24-48 hrs
Equine CD21 (fresh frozen sections only)	IH067	\$35.00	M-F	48-72 hrs
Equine CD25	IH068	\$35.00	M-F	48-72 hrs
Equine CD31 (PECAM-1)	IH069	\$35.00	M-F	48-72 hrs
Equine CD83 (fresh frozen sections only)	IH070	\$35.00	M-F	48-72 hrs
Equine CD86 (fresh frozen sections only)	IH071	\$35.00	M-F	48-72 hrs
Equine CD163	IH072	\$40.00	M-F	48-72 hrs
Equine CD172a (fresh frozen sections only)	IH073	\$35.00	M-F	48-72 hrs
Equine CD204	IH074	\$40.00	M-F	48-72 hrs
<u>CLINICAL PATHOLOGY IHC</u>				
CD3 & CD20, including controls	IH075	\$50.00	M-F	24-48 hrs
Other cellular markers	IH076	\$30.00	M-F	24-48 hrs
<u>TUMOR MARKERS IHC</u>				
Calcitonin	IH129	\$40.00	M-F	24-48 hrs
C-kit (CD117)	IH077	\$40.00	M-F	24-48 hrs
Chromogranin A	IH078	\$40.00	M-F	24-48 hrs
Factor VIII (von Williebrand factor)	IH079	\$40.00	M-F	24-48 hrs
Glial Fibrillary Acidic Protein (GFAP)	IH080	\$40.00	M-F	24-48 hrs
Iba-1	IH081	\$40.00	M-F	24-48 hrs
Kappa light chain	IH082	\$40.00	M-F	24-48 hrs
Ki67	IH083	\$40.00	M-F	24-48 hrs
Ki67 with Interpretation (for diagnostic cases, please use this option)	IH127	\$70.00	M-F	24-48 hrs
Lambda light chain	IH084	\$40.00	M-F	24-48 hrs
Melan A	IH085	\$40.00	M-F	24-48 hrs
MUM-1	IH086	\$40.00	M-F	24-48 hrs
Myeloid Histiocytic (calprotectin; MAC387)	IH087	\$40.00	M-F	24-48 hrs
Myoglobin	IH088	\$40.00	M-F	24-48 hrs
Neuron-specific enolase	IH089	\$40.00	M-F	24-48 hrs
Neurofilament	IH090	\$40.00	M-F	24-48 hrs
PAX5	IH091	\$40.00	M-F	24-48 hrs
PNL-2	IH092	\$40.00	M-F	24-48 hrs
S100	IH093	\$40.00	M-F	24-48 hrs
Somatostatin	IH094	\$40.00	M-F	24-48 hrs

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SOX-10	IH130	\$40.00	M-F	24-48 hrs
Synaptophysin	IH095	\$40.00	M-F	24-48 hrs
Thyroglobulin	IH096	\$40.00	M-F	24-48 hrs
TRP-1	IH097	\$40.00	M-F	24-48 hrs
TRP-2	IH098	\$40.00	M-F	24-48 hrs
TTF-1	IH131	\$40.00	M-F	24-48 hrs
Tyrosinase4	IH099	\$40.00	M-F	24-48 hrs
Vimentin	IH100	\$35.00	M-F	24-48 hrs
<u>TUMOR PANELS</u>				
Mast cell tumor prognostic panel: C-Kit staining, and PCR C-Kit Exon 11. Note: <u>PCR C-Kit Exon 11 is also available as a separate test (please see molecular diagnostic section fee schedule)</u>	IH128	\$137.00	M-F	24-48 hrs
Melanoma complete panel - melan A, PNL-2, TRP-1, TRP-2 (cocktail), and Ki-67	IH102	\$150.00	M-F	24-48 hrs
Melanoma diagnostic panel (cocktail) melan A, PNL-2, TRP-1, TRP-2	IH103	\$80.00	M-F	24-48 hrs
Tumor antibody panel (any combination) - up to three antibodies individually stained slides	IH104	\$100.00	M-F	24-48 hrs
Tumor antibody panel (any combination) - up to five antibodies individually stained slides	IH105	\$160.00	M-F	24-48 hrs
<u>SPECIAL IHC SERVICES</u>				
Antigen retrieval only (researcher provides slides or otherwise fee applies for paraffin sections)- sectioned slides that undergo antigen retrieval in Decloacker or water bath. Researcher must schedule a time to pick up slides.	ISS106	\$16.00	M-F	24-48 hrs
Paraffin sections for IHC staining (first slide)	ISS107	\$8.00	M-F	24-48 hrs
Paraffin sections for IHC staining (additional slides from the same block)	ISS108	\$4.00	M-F	24-48 hrs
IHC services - Special research projects, technical time/hour.	ISS109	\$60.00	M-F	NA
<u>RNAscope® IN SITU HYBRIDIZATION (ISH)</u>				
RNAscope® service bench fee ^{4,5}	ISH110	\$500.00	Tu & Thu	2-4 weeks
Leica BondRxm instrument user fee/slide (up to 20 slides per run) ^{4,5}	ISH111	\$18.00	M-F	2-4 weeks
Bulk reagents/slide ⁵	ISH112	\$4.00	M-F	2-4 weeks
Technical effort/slide (up to 20 slides per run) ⁵	ISH113	\$3.00	M-F	2-4 weeks
<i>IHC Laboratory Phone #: 225-578-9711</i>				

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¹ Assays under development, please contact Drs. Mariano Carossino and Udeni Balasuriya or Ms. Aneta Staszkiwicz and Natalie Ayres for more information on their availability. We currently have additional staining capabilities (i.e., multiplex IHC/IF, multiplex RNAscope[®], TUNEL, and FISH), and please contact us to schedule a meeting (phone: 225-578-9711 or e-mail: astaszkiwicz1@lsu.edu or kshult1@lsu.edu).

² IHC single antibody optimization: Any request where the researcher provides their own antibody and/or kit will have an additional \$165 charge added to their bill for assay optimization. The antibody will be titrated and optimized under different retrieval conditions for up to a maximum of 6 slides. The researcher needs to provide an appropriate tissue control for the marker attempted. If the optimization requires more slides to optimize and consumes more technical effort, and an additional, \$66.00/h will be charged for the research associate's time spent on the project. NOTE: When the researcher purchased an antibody and/or reagent kits, it requires optimization. The IHC antibody optimization fee includes applying various retrieval methods and concentrations until the antibody is successfully optimized (up to 6 slides, each additional slide charged separately). Additional sectioning and slide preparation charges will be applied (\$8.00 first slide and \$4.00 for each additional slide).

³ IHC dual antibodies optimization: Any request where the researcher provides their own antibodies and/or kit will have an additional \$1000-\$1700 charge added to their bill for dual staining on a single slide. The antibody will be titrated and optimized under different retrieval conditions (total of 25 slides [12 single and 13 dual stained] are estimated for assay optimization). The researcher needs to provide an appropriate tissue control for the marker attempted. If the optimization requires more slides to optimize and consumes more technical effort, each additional slide will be charged separately at the rate that applies and an additional, \$66.00/h will be charged for the research associate's time spent on the project. NOTE: When the researcher purchased the two antibodies and/or reagent kits, the IHC antibody optimization fee includes applying various retrieval methods and concentrations until the antibody is successfully optimized (up to 25 slides [12 single and 13 dual stained], each additional slide charged separately). Additional sectioning and slide preparation charges will be applied (\$8.00 first slide and \$4.00 for each additional slide).

⁴ RNAscope[®] assay optimization bench fee (researcher provides slides, probes and reagents). The assay optimization will require approximately 20 slides. Note: If the optimization requires more effort and consumes more technical effort additional \$66.00/hr will be charged for the research associate's time spent on the project, and each additional slide charged separately. For optimization of RNAscope[®] assays, please contact the lab to schedule a meeting.

⁵ Researcher provides the probes, and reagents from ACD. User fee/slide, bulk reagents/slide and technical effort/slide apply. Sections can be obtained at LADDL at an additional fee (see above). LADDL can purchase directly from ACD upon request from the researcher at a discounted core facility price provided a current PG number is given (LSU users only). Other users, please contact Drs. Mariano Carossino and Udeni Balasuriya or Ms. Aneta Staszkiwicz or Ms. Kendra Shultz for more information (phone: 225-578-9711 or e-mail: astaszkiwicz1@lsu.edu or kshult1@lsu.edu).