

MOLECULAR DIAGNOSTICS
FEE SCHEDULE
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 ⁶	Estimated Turnaround Time (business days)
<u>AQUATIC PATHOGEN DETECTION</u>			
<i>Francisella noatunensis</i> (1-2 specimens)*	MAQ001	\$40.00	1-3 Days
Infectious Salmon Anemia Virus ¹ (1-2 specimens)*	MAQ002	\$40.00	2-3 Days
Koi Herpesvirus (KHV; 1-2 specimens)*	MAQ003	\$40.00	2-3 Days
Spring Viremia of Carp Virus ¹ (1-2 specimens)*	MAQ004	\$40.00	2-3 Days
Tilapia Lake Virus (TiLV; 1-2 specimens)*	MAQ005	\$40.00	2-3 Days
Whitespot Syndrome Virus (1-2 specimens)*	MAQ006	\$40.00	2-3 Days
Yellow Head Virus (YHV; Shrimp) ¹ (1-2 specimens)*	MAQ007	\$40.00	2-3 Days
*Each additional specimen \$18.00			
<u>AVIAN PATHOGEN DETECTION</u>			
Avian Influenza Virus Matrix Gene Specific (1-2 specimens)	MAV001	\$48.00	2-3 Days
Avian Influenza Virus Matrix Gene Specific (each additional specimen)	NA	\$25.00	
<i>Chlamydiaceae</i>	MAV003	\$42.00	2-3 Days
<i>Chlamydia psittaci</i>	MAV004	\$42.00	2-3 Days
Exotic Newcastle Disease (1-2 specimens)	MAV005	\$48.00	2-3 Days
Exotic Newcastle Disease (each additional specimen)	NA	\$25.00	
Infectious Bronchitis Virus (IBV)	MAV006	\$48.00	2-3 Days
Infectious Laryngotracheitis Virus	MAV007	\$48.00	2-3 Days
<i>Mycoplasma gallisepticum</i> (1-2 specimens)	MAV008	\$42.00	2-3 Days
<i>Mycoplasma gallisepticum</i> (each additional specimen)	NA	\$22.00	
Mycoplasma genus sequencing	MAV009	\$92.00	2-3 Days
<i>Mycoplasma synoviae</i> (1-2 specimens)	MAV010	\$42.00	2-3 Days
<i>Mycoplasma synoviae</i> (each additional specimen)	NA	\$22.00	2-3 Days

COMPANION ANIMAL (CANINE, FELINE AND EQUINE) PATHOGEN DETECTION

CANINE PATHOGENS

Canine Blood Pathogens:

<i>Anaplasma marginale</i>	MCBP001	\$38.00	2-3 Days
<i>Anaplasma phagocytophilum</i> ³	MCBP002	TBD	2-3 Days
<i>Anaplasma platys</i>	MCBP003	\$55.00	2-3 Days
<i>Babesia canis</i> ³	MCBP004	TBD ⁴	2-3 Days
<i>Babesia gibsoni</i> ³	MCBP005	TBD	2-3 Days
<i>Bartonella spp</i> ³	MCBP006	TBD	2-3 Days
<i>Ehrlichia canis</i>	MCBP007	\$45.00	2-3 Days
<i>Ehrlichia chaffeensis</i> ³	MCBP008	TBD	2-3 Days
<i>Ehrlichia ewingii</i> ³	MCBP009	TBD	2-3 Days
<i>Leishmania</i> ³	MCBP010	TBD	2-3 Days
<i>Trypanosoma cruzi</i>	MCBP011	\$47.00	2-3 Days

Canine Respiratory Pathogens:

<i>Bordetella bronchiseptica</i> ³	MCRP001	TBD	2-3 Days
Canine adenovirus-2 (CAV-2) ³	MCRP002	TBD	2-3 Days
Canine Distemper (CDV)	MCRP003	\$55.00	2-3 Days
Canine Herpesvirus-1 (CHV-1)	MCRP004	\$55.00	2-3 Days
Canine Influenza Virus Matrix	MCRP005	\$48.00	
Canine Influenza Virus H3N8	MCRP006	\$55.00	2-3 Days
Canine Influenza Virus H3N2	MCRP007	\$55.00	2-3 Days
Canine Respiratory Coronavirus (CRCoV) ³	MCRP008	\$55.00	2-3 Days
Canine Parainfluenza virus (CPIV)	MCRP009	\$55.00	2-3 Days
COVID-19 (SARS-CoV-2) - First specimen (e.g., nasal swab) \$102; additional specimens from the same animal (e.g., oropharyngeal and rectal swabs) add \$20.00 per specimen (testing three specimens from the same animal is recommended)	MCRP010	\$102.00- \$142.00	1-2 Days

Canine Respiratory Disease Panel (Nine Pathogens):^{3,5}

<i>Bordetella bronchiseptica</i> , Canine adinovirus-2 (CAV-2), Canine distemper, Canine herpesvirus -1, Canine influenza H3N8, canine influenza H3N2, Canine parainfluenza virus (CPIV), Canine respiratory coronavirus (CRCoV) and COVID-19 (nasal or oropharngal swab only) Panel 1	MCRPL001	\$120.00	2-4 Days
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<u>Canine Enteric Viruses:</u>			
Canine Coronavirus (Enteric Coronavirus; CCoV)	MCEP001	\$55.00	1- 2 Days
Canine Parvovirus Genotyping (2a, 2b or 2c) PCR ⁶	MCEP002	\$82.40	3-4 Days
<u>Other Canine Pathogens:</u>			
<i>Bartonella henselae</i>	MCOP001	\$45.00	1-2 Days
<i>Leptospira spp.</i>	MCOP002	\$50.00	1-2 Days
<u>Canine Tick/Vector-Borne Disease Comprehensive Panel:</u> ³			
Anaplasma, Babesia, Bartonella, Ehrlichia, and mycoplasma (<i>M. Hemocanis</i>) ³ Panel 1	MCTBP001	TBD	2-4 Days
Rickettsiales species (<i>Ehrlichia canis</i> , <i>E. chaffeensis</i> , <i>E. ewingii</i> , <i>Rickettsia rickettsii</i> , <i>Anaplasma phagocytophilum</i>); Borrelia species (<i>B. burgdorferi</i> , <i>B. hermsii</i> , <i>B. parkeri</i> , <i>B. turicatae</i>) and Babesia species (<i>B. gibsoni</i> , <i>B. canis</i> , <i>B. caballi</i>) ⁵ Panel 2	MCTBP002	\$60.00	2-5 Days
<u>FELINE PATHOGEN DETECTION</u>			
<i>Bartonella henselae</i>		\$45.00	1-2 Days
Feline Calicivirus ⁵	MFP001	\$35.00	2-4 Days
Feline Herpesvirus Type 1	MFP002	\$48.00	1-2 Days
Feline Infectious Peritonitis(FIP) virus and Feline Enteric Coronavirus (FeCoV)	MFP003	\$60.00	1-2 Days
Feline Immunodeficiency Virus ⁵	MFP004	\$80.00	2-4 Days
Feline parvovirus ⁵	MFP005	\$30.00	2-4 Days
<i>Toxoplasma gondii</i>	MFP006	\$50.00	1-2 Days
<u>Feline Respiratory Disease Panel</u> ⁵			
<i>Bordetella bronchiseptica</i> , Feline herpesvirus, Feline calicivirus, Influenza A, <i>Chlamydia spp.</i> , and <i>Mycoplasma spp.</i> ⁵	MFRPL001	\$70.00	2- 4 Days
<u>EQUINE PATHOGEN DETECTION</u>			
<u>Equine Respiratory Pathogens:</u>			
Equine Arteritis Virus (EAV)	MER001	\$35.00	1- 2 Days
Equine Influenza Matrix Virus (EIV)	MER002	\$53.00	1- 2 Days
Equine Influenza Virus (EIV) H3N8 (currently circulating) nucleocapsid (NP)	MER003	\$53.00	1- 2 Days
Equine Influenza H7N7nucleocapsid (NP)	MER004	Contact lab	1- 2 Days
Equine Herpesvirus-1 (equine herpesvirus myeloencephalopathy [EHM] genotyping qPCR I (Duplex A & G discrimination)	MER005	\$64.00	1- 2 Days

Equine Herpesvirus-1 (equine herpesvirus myeloencephalopathy [EHM] genotyping qPCR II (Triplex A, G & C discrimination)	MER006	\$70.00	1- 2 Days
Equine Herpesvirus-1 (gB)	MER007	\$53.00	1- 2 Days
Equine Herpesvirus 1 and Equine Hepresvirus-4 Duplex	MER008	\$80.00	1- 2 Days
Equine Herpesvirus-4	MER009	\$55.00	1- 2 Days
Equine Herpesvirus -2 (EHV-2)	MER011	\$55.00	1- 2 Days
Equine Herpesvirus -5 (EHV-5)	MER012	\$55.00	1- 2 Days
Equine Gamma Herpesvirus (i.e., EHV-2 and EHV-5)	MER013	\$80.00	1- 2 Days
Equine Rhinitis A and B (ERVA and ERVB)	MER014	\$80.00	1- 2 Days
Equine Rhinitis A Virus	MER015	\$45.00	1- 2 Days
<i>Streptococcus equi</i> subsp <i>equi</i> (Strangles)	MER016	\$50.00	1- 2 Days
<i>Rhodococcus equi</i>	MER017	\$55.00	1- 2 Days
<u>Equine Enteric Pathogens:</u>			
Equine Coronavirus (ECoV)	MEE001	\$58.00	1-2 Days
Equine Rotavirus G3 and G14 (Triplex assay)	MEE002	\$80.00	1-2 Days
Equine (Pan) Rotavirus	MEE003	\$40.00	1-2 Days
<u>Equine Encephalitis Viruses:</u>			
Eastern Equine Encephalitis (EEE)	MEEV001	\$53.00	1-2 Days
St. Louis Encephalitis Virus (SLE)	MEEV002	\$53.00	1-2 Days
West Nile Virus (WNV)	MEEV003	\$53.00	1-2 Days
Equine Encephalitis Virus Triplex (EEE, SLE, and WNV)	MEEV004	\$125.00	1-2 Days
<u>Other Equine Pathogens:</u>			
<i>Clostridium perfringens</i> Typing A, B, C, D & E toxins - by identifying toxin genes (alpha, cpa; beta, cpb, epsilon, etc; iota, ia) as well as genes for beta 2 toxin (cpb2) and enterotoxin (cpe) by real time PCR (need bacterial isolate) ⁵	MOE001	\$40.00	2-4 Days
<i>Clostridium difficile</i> A and B toxins ³	MOE002	TBD	2-4 Days
<i>Cryptosporidium</i> spp. & <i>Giardia</i> Panel ⁵	MOE003	\$40.00	2-4 Days
Equine Herpesvirus-3 (EHV-1)	MOE004	\$55.00	2-4 Days
<i>Lawsonia intracellularis</i> ⁵	MOE005	\$30.00	2-4 Days
<i>Leptospira</i> spp.	MOE006	\$50.00	1- 2 Days
<i>Neorickettsia risticii</i> the causative agent of Potomac Horse Fever (PHF) ⁵	MOE007	\$60.00	2-4 Days
<i>Neospora hughesi</i>	MOE008	\$55.00	1-2 Days
<i>Norcardia palcentitis</i> ⁵	MOE009	TBD	2-4 Days
<i>Sarcocystis neurona</i>	MOE010	\$55.00	1-2 Days
<i>Salmonella</i> sp) ⁵	MOE011	\$30.00	2-4 Days
<i>Streptococcus zooepidemicus</i> ³	MOE012	TBD	1-2 Days
<i>Taylorella equigenitalis</i> (Contagious Equine Metritis) CD285023 ³	MOE013	TBD	1-2 Days

<i>Taylorella equigenitalis</i> , <i>Klrbsiella pneumoniae</i> , <i>Pseudomonas aeruginosa</i> (multiplex) CD285115 ³	MOE014	TBD	1-2 Days
Equine Panels:			
Equine Abortion Fetal Tissue Panel I: EAV, EHV-1, and EHV-4)	MEP001	\$80.00	2-4 Days
Equine Abortion Fetal Tissue Panel II: EAV, EHV-1 (geno typing - duplex), EHV-4, <i>Leptospira</i> , <i>Nocardia</i>)	MEP002	\$120.00	2-4 Days
Equine Foal Diarrhea Panel: <i>Clostridium perfringens</i> toxins A, B, E, & NetF, <i>Cryptosporidium spp.</i> , <i>Lawsonia intracellularis</i> , <i>Neorickettsia risticii</i> (PHF), <i>Salmonella spp.</i> , <i>Rhodococcus equi</i> , Equine Coronavirus, and Rotavirus.	MEP003	\$150.00	2-4 Days
Equine adult Diarrhea Panel : <i>Clostridium perfringens</i> Typing A, B, C, D & E toxins, Equine Coronavirus, <i>N. risticii</i> (PHF), and <i>Salmonella spp</i> ⁵	MEP004	\$120.00	2-4 Days
Equine Herpesvirus Respiratory Disease Panel: EHV-1 (genotyping - duplex), EHV-2, EHV-4, EHV-5 & EAV	MEP005	\$120.00	2-4 Days
Equine Herpesvirus Respiratory Disease Panel I: EHV-1 (genotyping - duplex), EHV-4, EIV & EAV	MEP006	\$120.00	2-4 Days
Equine Respiratory Disease Panel II: <i>S. equi</i> , EHV-1, EAV, EHV-4 and EIV	MEP007	\$130.00	2-4 Days
Equine Respiratory Disease Panel III: <i>S. equi</i> , EHV-1, EHV-4, EIV, equine rhinitis virus A and B (ERAV and ERBV) and EAV	MEP008	\$150.00	2-4 Days
Equine Tick-borne Disease Panel : Rickettsiales species (<i>Ehrlichia canis</i> , <i>E. chaffeensis</i> , <i>E. ewingii</i> , <i>Rickettsia rickettsii</i> , <i>Anaplasma phagocytophilum</i>); Borrelia species (<i>B. burgdoreferi</i> , <i>B. hermsii</i> , <i>B. parkeri</i> , <i>B. turicatae</i>) and Babesia species (<i>B. gibsoni</i> , <i>B. canis</i> , <i>B. caballi</i>) ⁵ .	MEP009	\$60.00	3-5 Days
FARM ANIMALS			
Bovine:			
<i>Anaplasma marginale</i> (1-2 specimens)	MBV001	\$38.00	1-2 Days
<i>Anaplasma marginale</i> (each additional specimen)	NA	\$18.00	1-2 Days
<i>Anaplasma platys</i>	MBV002	\$55.00	1-2 Days
Bovine coronavirus (BCoV)	MBV003	\$30.00	1-2 Days
Bovine Leukemia Virus (1-2 specimens)	MBV005	\$41.00	1-3 Days
Bovine Leukemia Virus (each additional specimen)	NA	\$20.50	1-3 Days
Bovine Respiratory Syncytial Virus (BRSV; 1-2 specimens)	MBV006	\$40.00	1-3 Days
Bovine Respiratory Syncytial Virus (BRSV; each additional specimen)	NA	\$20.00	1-3 Days
Bluetongue Virus (1-2 specimens)	MBV007	\$48.00	1-3 Days
Bluetongue Virus (each additional specimen)	NA	\$24.00	1-3 Days
Bovine Viral Diarrhea Virus (1-2 specimens)	MBV008	\$46.00	1-3 Days

Bovine Viral Diarrhea Virus (each additional specimen)	NA	\$23.00	1-3 Days
Bovine Viral Diarrhea Virus Pooled (up to 10 samples/pool)	MBV009	\$46.00	1-3 Days
<i>Chlamydiaceae</i> Bovine	MBV010	\$42.00	1-3 Days
EHDV (Epizootic hemorrhagic disease virus)	MBV011	\$50.00	1-3 Days
Infectious Bovine Rhinotracheitis-IBR (Bovine Herpesvirus-1) 1-2 specimens	MBV012	\$39.00	1-3 Days
Infectious Bovine Rhinotracheitis-IBR (Bovine Herpesvirus-1) each additional specimen	NA	\$19.50	1-3 Days
<i>Leptospira interrogans</i> Bovine	MBV015	\$50.00	1-3 Days
<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (Johne's Disease)	MBV013	TBD	1-3 Days
<i>Mycoplasma bovis</i> (<i>M. bovis</i> ; 1-2 specimens)	MBV014	\$40.00	1-3 Days
<i>Mycoplasma bovis</i> (<i>M. bovis</i> ; each additional specimen)	NA	\$20.00	1-3 Days
<i>Toxoplasma gondii</i>	MBV016	\$50.00	1-2 Days
<i>Tritrichomonas foetus</i> (1-2 specimens)	MBV017	\$33.00	1-3 Days
<i>Tritrichomonas foetus</i> (each additional specimen)	NA	\$18.50	1-3 Days
<i>Tritrichomonas foetus</i> Pooled (up to 3 samples)	MBV018	\$33.00	1-3 Days
Bovine qPCR Panels			
Bovine Multiplex (Detection of 4 pathogens known to infect bovine; includes BVDV, BLV), (IBR/ BHV-1), and (BTV). Testing for this combination of pathogens is often useful in fulfilling certain export requirements ⁵	MBVPL001	\$50.00	3-5 Days
Bovine Respiratory Bacteria Panel: <i>M. hemolytica</i> , <i>P. multocida</i> , <i>H. somni</i> , <i>M. bovis</i>) ³	MBVPL002	TBD	3-5 Days
Bovine Respiratory Virus Panel I (3 viral pathogens): BHV-1, BRSV, BPIV-3, BCoV) ³	MBVPL003	TBD	3-5 Days
Bovine Respiratory Virus Panel I (5 viral pathogens): BRSV, BVD, BPIV-3, BHV-1 and BCoV ⁵	MBVPL004	\$50.00	3-5 Days
Bovine Bacterial Respiratory Panel II (5 bacterial pathogens): <i>Histophilus somni</i> , <i>Mannheimia haemolytica</i> , <i>Pasteurella multocida</i> <i>Arcanobacterium (Truperella) pyogenes</i> and <i>Mycoplasma bovis</i> ⁵	MBVPL005	\$45.00	3-5 Days
Calf Diarrhea Multiplex Panel: Detection of the most common viral and protozoal causes of diarrhea in calves 60 days of age and younger. Includes BCoV, bovine rotavirus A, and cryptosporidium ⁵	MBVPL006	\$40.00	3-5 Days
Caprine and Ovine:			
<i>Coxiella burnetti</i>	MCO001	\$40.00	3-5 Days
<i>Toxoplasma gondii</i>	MCO002	\$50.00	1-2 Days

Porcine (Swine):			
Swine Influenza Matrix	MP001	\$48.00	
Porcine Circovirus 2 and 3 (PCV2 and PCV3)	MP002	TBD	
Porcine Delta Coronavirus (PDCoV), Transmissible Gastroenteritis Virus (TGEV), and Porcine Epidemic Diarrhea Virus (PEDV)	MP003	\$75.00	
Porcine Respiratory Coronavirus (PRCoV)	MP004	\$50.00	
Porcine hemagglutinating encephalomyelitis virus	MP005	\$50.00	
Transmissible Gastroenteritis Virus (TGEV)	MP006	\$50.00	
Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	MP007	TBD	
Rotavirus A-C	MP008	TBD	

Special Molecular Testing:

Panfungal PCR: Identification of fungal organisms by PCR and sequencing. This PCR is recommended to complement identification of fungal organisms on histopathology and cytology. The assay is not recommended when fungal organisms are not observed histologically, due to the potential of amplification of non specific contaminants (need the paraffin block and two unstained slides) ⁵	MSPT001	\$100.00	4-5 Days
16S Bacterial Identification PCR	MSPT002	\$90.00	3-4 Days
Bacterial Identification	MSPT003	\$90.00	3-4 days
FFPE Extraction	MSPT004	\$40.00	3-4 Days
Mast Cell (PCR) C-Kit Exon 11 ⁸	MSPT005	\$80.00	3-4 Days
Molecular Pathology Markers (e.g., Mutations & Clonality Testing)	MSPT006	\$80.00	3-4 days
Illumina/MinION Next Generation Sequencing (NGS) - Whole genome sequencing of bacterial pathogens (e.g., antibiotic sensitivity resistance genes etc.,)/organism	MSPT007	\$700.00	2 weeks
Sequence Data Analysis per hour	MSPT008	\$250.00	1 week
Bacterial, Viral and Fungal Detection and Identification in Clinical Specimens Using NGS/sample ⁷	MSPT009	\$250.00	2-3 days
Test cancellation fee	MTCF001	\$17.00	NA
Miscellaneous fees	MMF001	Varies	NA

¹Primers and probes available with Genereach.

²Identifies all influenza virus A subtypes

³In development and available soon. Please call LADDL.

⁴Fees to be determined

⁵ Some tests may be performed by another AAVLD accredited laboratory (additional referral fee may be applied).

⁶ Test performed at Cornell University Animal Health Diagnostic Center. Prices for referral tests do not include lab accession and forwarding fees and are subject to change without notice. Turnaround times are dependent upon shipping time.

⁷ Outsourced to an accredited laboratory.

⁸IHC staining charges are separate.