

Montana Veterinary Diagnostic Laboratory - MVDL

Tests, Fees, Submission Guide

1911 West Lincoln
Bozeman, Montana 59718-4132

MVDL is an AAVLD accredited laboratory and a member of the National Animal Health Laboratory Network (NAHLN).

- Normal hours of operation are Monday through Friday, 8:00 AM to 5:00 PM, except for major state and federal holidays.
- Diagnostic testing not performed at MVDL (referral) will be charged based on the current fee schedule of the provider, MVDL handling (see below), and mailing costs incurred.
- If routine MVDL testing cannot be completed at MVDL, the client (e.g., veterinarian, owner) will be notified.
- Some test fees differ between livestock and non-livestock species.
- Turnaround times listed below are based on normal operating conditions, and may be subject to change.

Properly collected, identified, packaged, and shipped specimens promote timely, quality results.

- Certain regulatory samples must be collected by an authorized sampler.
- Allowed pooling and additional specimen detail is listed below.
- Please use biohazard-labeled leak proof primary containers, leak proof secondary containers, sufficient absorbent materials, and adequate ice packs/dry ice/hot packs.
- All submitted specimens become the property of MVDL and may be subject to additional testing as determined by animal health officials or surveillance mandates, or retained for internal research and/or validation purposes.
- Discounted, flat rate UPS shipping is encouraged and available through our web portal: COD shipments are not accepted.
- MVDL does not return cardboard and/or styrofoam mailers for reuse: Non-porous shipping materials (e.g., hard sided coolers) may be disinfected and returned for a service fee, if approved.

Specimens must be accompanied by a completed submission form or online web portal requisition confirmation, which should be sealed in a protective bag and placed above packaging inside the shipping container.

- Completed submission forms, web portal requisitions, or other accepted means of submission create a contractual agreement of services between the client and the MVDL.
- We strongly encourage submitters to complete forms electronically and submit them via email.
- Official animal identification numbers not received electronically will not be included on reports.

submission/order forms: <https://liv.mt.gov/Diagnostic-Lab/index>
email MVDL: mudl@mt.gov

access MVDL portal: <https://mudl.mt.gov>
telephone MVDL: 406.994.4885

ADMINISTRATIVE

General notes: Supply orders can be made either through our web portal or with a supply order request form

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Accession Fee	\$5.00	Administrative	NA	NA	NA	NA	Applied to all cases, except EIA submissions
STAT/Expedited Processing	50% surcharge	Administrative	NA	NA	NA	NA	Applied when expedited processing is requested and approved
Accession Organizational Fee (per hour)	\$75.00	Administrative	NA	NA	NA	NA	Applied for samples not organized by the animal identifications listed on the submission form
After Hours Receiving	\$50.00	Administrative	NA	NA	NA	NA	Applied when after hours receiving is requested and approved
After Hours Reporting	\$20.00	Administrative	NA	NA	NA	NA	Applied when after hours reporting is requested and approved
Pathologist Time (per hour) (non routine cases)	\$200.00 + case testing fees	Administrative	NA	NA	NA	NA	Applied in special circumstances, e.g., after hours, consultation, legal/insurance case, etc.
Referral Shipping and Handling	\$20.00	Administrative	NA	NA	NA	NA	Applied when referral processing is requested

ADMINISTRATIVE continued

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Specimen Collection/ Transport Kit (per kit)	\$5.00 + shipping + \$2.00 handling	Administrative	NA	NA	NA	NA	Specify #/type (Abortion, Neonatal Diarrhea, Necropsy, or Biopsy) on MVDL order form or via a web portal request
Campylobacter Media Tubes (10)/Transfer to Campylobacter Media Tubes (10)	\$20.00 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Trichomonas foetus InPouch™ Media Transfer (1) for Trichomonas foetus culture	\$7.50 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Available by submission/web portal request; handling fee is per order
Physiological Saline Tube for Trichomonas foetus PCR	+ shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # of bags (50 tube count) on MVDL order form or via a web portal request; handling fee is per order
Small Jar (formalin filled)	\$2.50 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Large Jar (formalin filled)	\$3.50 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Cardboard Blood Tube Mailer (100 tubes)	\$3.00 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Styrofoam Blood Tube Mailer (4 tubes & 4 slides)	\$5.00 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Styrofoam Blood Tube Mailer (5 tubes)	\$2.50 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Styrofoam Blood Tube Mailer (8 tubes & 4 slides)	\$7.50 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Rabies Mailer (cardboard box with Styrofoam insert for small animal heads)	\$22.00 + shipping and \$2.00 handling	Administrative	NA	NA	NA	NA	Specify # on MVDL order form or via a web portal request; handling fee is per order
Incoming Shipping	\$10.00	Administrative	NA	NA	NA	NA	Flat-rate shipping fee applied when labels are generated online
Shipping Material Decontamination & Return	\$2.00 + shipping	Administrative	NA	NA	NA	NA	Additional fee assessed when shipping material is returned
Case Material/Remains Return/Transfer	\$25.00 + shipping	Administrative	NA	NA	NA	NA	Subject to DVM approval; contact laboratory
Carcass Disposal	\$0.50 per pound	Administrative	NA	Livestock	NA	NA	(min: \$10, max: \$400)
Carcass Disposal	\$1.00 per pound	Administrative	NA	Non-Livestock	NA	NA	(min: \$10, max: \$400)
Report Duplicate Hardcopy	\$5.00	Administrative	NA	NA	NA	NA	
Submitted Information Correction Fee (per case)	\$10.00	Administrative	NA	NA	NA	NA	

CLINICAL MICROBIOLOGY (BACTERIOLOGY & MYCOLOGY)

General notes: Please verify that all culture and transport media is unexpired prior to use for sample submission.
 Notify the laboratory prior to submitting samples for suspect Select Agent testing.
 Please package fecal material in wide mouthed containers (no red top tubes).
 Antimicrobial Susceptibility Testing must be requested by a veterinarian.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Aerobic Culture	\$30.90	Clinical Microbiology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags/containers *Fluid urine is preferred to urine sediment swabs	Monday – Friday	≥2 business days	Notify laboratory prior to submission for Select Agent rule out, e.g., plague, tularemia, anthrax, etc. Ship with ice pack Isolates may be referred for confirmatory testing
Aerobic Culture (each additional isolate)	\$15.45	Clinical Microbiology	see Aerobic Culture	see Aerobic Culture	see Aerobic Culture	see Aerobic Culture	Fee assessed per identified isolate, see Aerobic Culture
Anaerobic Culture	\$36.00	Clinical Microbiology	Any	Swabs in anaerobic transport media, or fluids in sterile tubes, or tissue in sterile bags/containers	Scheduled when received	≥3 business days	Ship at ambient temperature (do not freeze)
Anaerobic Culture (each additional isolate)	\$22.65	Clinical Microbiology	see Anaerobic Culture	see Anaerobic Culture	see Anaerobic Culture	see Anaerobic Culture	Per identified isolate, includes clostridial rule-out
Antimicrobial Susceptibility Testing (per panel, per isolate)	\$25.75	Clinical Microbiology	Any	Aerobic bacterial isolates only	Monday – Friday	>2 business days	Drug panels tested, per isolate, by broth dilution (MIC) or disc diffusion (Kirby-Bauer)
Antimicrobial Susceptibility Testing – Additional Drugs (per isolate, per drug)	\$15.90	Clinical Microbiology	Any	Aerobic bacterial isolates only	Monday – Friday	>2 business days	Drugs not included in MIC or Kirby-Bauer panels may be tested by request on a case-by-case basis using the Kirby-Bauer method: *please note that interpretive criteria may not be available for some organisms
<i>Brucella</i> sp. Culture	\$21.20	Clinical Microbiology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags/containers	Monday – Friday	>5 business days	Suspect Select Agent isolates may be referred for confirmatory testing
<i>Campylobacter</i> sp. Culture	\$17.00	Clinical Microbiology		Reproductive preputial wash, or fetal membranes, or fetal abomasal fluid in campylobacter transport media (PRAS Campy-Thio, 7 ml), or fresh feces, or intestinal contents	Monday – Friday	>5 business days	Expired transport/ culture media is not accepted for regulatory testing Seal tubes tightly
Canine Diarrhea Diagnostic Panel	\$113.00	Clinical Microbiology/ Virology	Canine	Minimum 5 g fresh feces	Monday – Friday	>3 business days	Includes fecal flotation, Giardia SNAP, cryptosporidium exam, aerobic culture, Salmonella culture, Campylobacter culture, Gram stain, +/- Clostridial rule out, and canine parvovirus FA
Dermatophyte Culture	\$31.80	Clinical Microbiology	Any	Skin scraping with hair, or hair pluck (including follicle), or scab, or nails, or claws, or beak	Monday – Friday	≥28 business days	Do not send glass slides Ship at ambient temperature in a sealed container
Direct Microscopy/Gram Stain/Acid Fast Stain	\$10.60	Clinical Microbiology	Any	Fecal swab, or fresh feces, or swabs, or fluids, or tissues	Monday – Friday	>1 business day	Do not send glass slides Ship with ice pack
Fecal Occult Blood	\$11.65	Clinical Microbiology	Mammalian	Fresh feces or intestinal contents	Monday – Friday	1-3 business days	Ship with ice pack

CLINICAL MICROBIOLOGY *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Feline Diarrhea Diagnostic Panel	\$144.00	Clinical Microbiology/ Virology	Feline	Minimum 0.5 ml serum and 5 g fresh feces	Monday - Friday	>3 business days	Includes fecal flotation, Cryptosporidium exam, Giardia SNAP, Toxoplasmosis ELISA, Tritrichomonas foetus culture, aerobic culture, Campylobacter culture, Salmonella culture, Gram stain, +/- Clostridial rule out, FIP/feline enteric coronavirus FA, and feline panleukopenia virus FA
Fungal Culture (non-dermatophyte)	\$31.80	Clinical Microbiology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags/containers	Scheduled when received	≥14 business days	Ship at ambient temperature (do not refrigerate or freeze)
Listeria sp. Culture	\$25.45	Clinical Microbiology	Any	Brainstem (preferred), or tissues in sterile bags/containers, or swabs in transport media, or fluids in sterile tubes	Monday - Friday	≥7 business days	Ship with ice pack
Mycoplasma sp. Culture	\$21.20	Clinical Microbiology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags/containers	Monday - Friday	3-15 business days	Isolates may be referred for speciation
Neonatal Diarrhea Workup	\$150.00	Clinical Microbiology/ Molecular Diagnostics	Ruminant, Equine, Porcine	Minimum 3 g fecal material required *MVDL specimen collection/ transport kit preferred	Monday - Friday	>3 business days	Please note patient age on submission form (tests are age-dependent)
Salmonella Enteritidis (SE) NPIP-approved method	\$29.70	Clinical Microbiology	Avian	Poultry house environmental samples, or chick papers, or eggs in Whirlpak bags	Monday - Friday	4-7 business days	Overnight shipping with ice pack is mandatory Use SE submission form
Salmonella Pullorum/Gallinarum NPIP-approved method	\$29.70	Clinical Microbiology	Avian	Call laboratory for specimen submission guidance as needed Fresh tissues	Scheduled when received	≥14 business days	Contact the laboratory prior to submission Ship with ice pack
Salmonella sp. Culture	\$21.20	Clinical Microbiology	Any	Fresh feces or intestinal contents, or fresh tissues	Monday - Friday	4-7 business days	Ship with ice pack Isolates may be referred for typing

CLINICAL PATHOLOGY

General notes: Please note that most Clinical Pathology testing is currently being referred to other laboratories.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Urinalogy							
Urinalysis	\$18.50	Clinical Pathology	Multiple	Minimum 5 ml urine transferred to leak-proof container	Monday - Friday	Same day if received by 3:00PM	Includes SG, dipstick, glucose, bilirubin, ketones, blood, pH, urobilinogen, sulfosalicylic acid protein, and sediment evaluation
Coagulation (individual) (PT & APTT only)	\$25.45	Clinical Pathology		Light blue top sodium citrate vacutainer tube filled to mark (DO NOT over or under fill) or centrifuged, frozen plasma	Monday - Friday	Same day if received by 3:00PM	Ship frozen overnight with dry ice

CLINICAL PATHOLOGY *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Direct Coombs	\$33.95	Clinical Pathology	Canine	Minimum 1 ml whole blood in lavender top EDTA vacutainer tube and slide(s)	Monday – Friday	2 business days	
IgG RID	\$19.10	Clinical Pathology	Bovine, Equine	Minimum 0.5 ml serum	Monday – Friday	2 business days	
Nitrate	\$17.00	Clinical Pathology	Multiple	Minimum 0.25 ml ocular fluid or serum	Monday – Friday	Same day if received by 3:00PM	

MILK PROGRAM

General notes: Samples/results included in the Montana Milk Program must be collected by a licensed collector
Privately submitted samples may be tested, if approved. Please call the laboratory prior to submission

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Antibiotic Residue	\$26.60	Milk Laboratory	Multiple	Minimum 100 ml milk	Scheduled when received	1 business day	Ship refrigerated or with ice pack Contact laboratory for additional information
Alkaline Phosphatase	\$8.50	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday – Friday	1 business day	Ship refrigerated or with ice pack
Brucella Ring Test	\$8.50	Milk Laboratory	Multiple	Minimum 100 ml milk	Scheduled when received	1 business day	Ship refrigerated or with ice pack
Component Electronic	\$10.30	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday – Friday	1 business day	Includes butterfat, SNF, TS, lactose, protein Ship refrigerated or with ice pack
Component Manual Gerber Butterfat	\$5.40	Milk Laboratory	Multiple	Minimum 100 ml milk or 100 grams yogurt	Monday – Friday	1 business day	Ship refrigerated or with ice pack
Component Manual Majonnier Butterfat	\$16.00	Milk Laboratory	Multiple	Minimum 100 grams cheese	Monday – Friday	1 business day	Ship refrigerated or with ice pack
Somatic Cell Count	\$10.30	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday – Friday	1 business day	Ship refrigerated or with ice pack
Aerobic Plate Count	\$25.80	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday – Wednesday	2-4 business days	Ship refrigerated or with ice pack
Coliform Plate Count	\$25.80	Milk Laboratory	Multiple	Minimum 100 ml milk or 100 ml dairy water	Monday – Wednesday	1-4 business days	Ship refrigerated or with ice pack
Yeast & Mold	\$8.50	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday – Wednesday	5 business days	Ship refrigerated or with ice pack

IMMUNODIAGNOSTICS (SEROLOGY & VIROLOGY)

General notes: Blood tubes must be uniquely identified.
For cases with >100 specimens (e.g., brucellosis, MAP herd screening), collection of serum in Sarstedt tubes is preferred.
Please send spun-down serum rather than clotted blood.
Ship with ice pack(s) – do not freeze.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Anaplasmosis cELISA	\$10.60	Serology	Ruminant	Minimum 1 ml ruminant serum (preferred) or clotted blood in red or tiger top vacutainer tube	Wednesday, Thursday, Friday	2-4 business days	Antibody test
Avian Influenza Virus (AIV) AGID	\$8.50	Serology	Avian	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Scheduled when received	2-4 business days	Antibody test NPIP-approved method
Bluetongue virus (BTV) cELISA	\$10.60	Serology	Ruminant, Cervid	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Wednesday, Thursday, Friday	2-4 business days	Antibody test

IMMUNODIAGNOSTICS *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Bovine coronavirus (BCV) FA	\$11.65	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Herpesvirus-1 (BHV-1 / IBR) SN	\$9.50	Virology	Ruminant	Minimum 1 ml serum in red top vacutainer tube	Friday	3-5 business days	Antibody test
Bovine Herpesvirus-1 (BHV-1/IBR) FA	\$11.65	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Leukemia Virus (BLV) ELISA	\$8.50	Virology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Monday, Thursday	1-2 business days	Antibody test
Bovine Respiratory Syncytial virus (BRSV) FA	\$11.65	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Respiratory Syncytial virus (BRSV) SN	\$10.60	Virology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Monday, Thursday	1-2 business days	Antibody test
Bovine Viral Diarrhea virus (BVDV) ELISA	\$6.40	Virology	Ruminant	Minimum 1 ml serum, or clotted blood, or ½" ear notch	Monday, Thursday	1-2 business days	Antigen test
Bovine Viral Diarrhea virus (BVDV) FA	\$11.65	Virology	Ruminant	Minimum 1 ml whole blood in purple top EDTA vacutainer tube, or serum in red top vacutainer tube, or 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Viral Diarrhea virus (BVDV) Rapid SNAP™ Immunoassay	\$7.40	Virology	Ruminant	Minimum 1 ml serum, or 1 ml clotted blood, or ½" ear notch	Scheduled when received	1-2 business days	Antigen test
Bovine Viral Diarrhea virus (BVDV) type I & II SN	\$19.10	Virology	Ruminant	Minimum 1 ml serum in red top vacutainer tube	Scheduled when received	1-5 business days	Antibody test
<i>Brucella abortus-suis</i> BAPA/BPA	\$2.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube *Collection in Sarstedt tubes is encouraged for large cases	Monday - Friday	1-2 business days	Antibody test
<i>Brucella abortus-suis</i> Card Test (Rose Bengal)	\$2.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Monday - Friday	1-2 business days	Antibody test
<i>Brucella abortus-suis</i> FPA Tube or Microplate	\$3.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube *Collection in Sarstedt tubes is encouraged for large cases	Monday - Friday	1-2 business days	Antibody test
<i>Brucella abortus-suis</i> Standard Plate Agglutination Test (SPT)	\$3.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Monday - Friday	1-2 business days	Antibody test
<i>Brucella abortus-suis</i> Standard Tube Agglutination Test (STT)	\$3.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Wednesday	2-4 business days	Antibody test
<i>Brucella canis</i> Indirect Fluorescent Antibody (IFA)	\$25.75	Virology	Canine	Minimum 0.5 ml serum in red top tube (very hemolyzed specimens are not acceptable)	Scheduled when received	1-3 business days	Antibody test

IMMUNODIAGNOSTICS *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<i>Brucella ovis-canis</i> (BOC) ELISA	\$9.50	Serology	Canine, Ovine*	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube (very hemolyzed samples are not acceptable)	Tuesday	1-4 business days	Antibody test *For sheep import/export testing, call lab to facilitate scheduling and rapid turnaround time
Canine Distemper Virus (CDV) ELISA	\$12.35	Virology	Canine	Minimum 5 ml serum or plasma	Scheduled when received	2-4 business days	Antibody test
Canine Distemper Virus (CDV) FA	\$11.65	Virology	Canine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Canine Parvovirus (CPV) FA	\$11.65	Virology	Canine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Canine Parvovirus (CPV) Rapid SNAP™ Immunoassay	\$31.80	Virology	Canine	Minimum 0.5 g fresh feces	Monday - Friday	1-2 business days	Antigen test
Caprine Arthritis Encephalitis (CAE)/Ovine Progressive Pneumonia (OPP) cELISA	\$9.50	Serology	Caprine, Ovine	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Scheduled when received	2-4 business days	Antibody test
Chronic Wasting Disease (CWD) ELISA	\$17.00	Virology	Cervid	Fresh tissue (retropharyngeal lymph nodes, obex)	Scheduled when received	>5 business days	Notify laboratory prior to submission
<i>Coxiella burnetii</i> (Q Fever) ELISA	\$13.80	Virology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Scheduled when received	2-4 business days	Antibody test
Epizootic Hemorrhagic Disease Virus (EHDV) AGID	\$13.80	Serology	Cervid, Ruminant	Minimum 1 ml serum, or plasma, or milk	Scheduled when received	2-4 business days	Antibody test
Equine Abortion Serology Panel	\$46.35	Virology	Equine	Minimum 2 ml serum or clotted blood in red or tiger top vacutainer tube	Scheduled when received	5-7 business days	Includes EHV SN, EVA SN, and <i>Leptospira</i> MAT (7 serovars)
Equine Herpesvirus (EHV) (rhinopneumonitis) SN	\$16.50	Virology	Equine	Minimum 1 ml serum in red top vacutainer tube	Scheduled when received	5-7 business days	Antibody test
Equine Herpesvirus (EHV) FA	\$11.65	Virology	Equine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Equine Infectious Anemia (EIA) AGID	\$10.60	Serology	Equine	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Monday - Friday	2-4 business days	Antibody test
Equine Infectious Anemia (EIA) ELISA	\$14.80	Serology	Equine	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Monday - Friday	1-2 business days	Antibody test
EIA Global Vet Link (GVL) Surcharge (per animal)	\$2.00	Serology	see EIA test	see EIA test	see EIA test	see EIA test	Applies to both EIA AGID and EIA ELISA submissions through GVL
Equine Viral Arteritis (EVA) SN	\$17.00	Virology	Equine	Minimum 1 ml serum in red top vacutainer tube	Tuesday, Friday	2-3 business days	Antibody test
Miscellaneous FA	\$11.65	Virology		Call laboratory for sample collection instruction prior to submission	Scheduled when received	1-5 business days	Call laboratory regarding possible availability of FA options not listed in the submission guide
Feline Herpesvirus (FHV) FA	\$11.65	Virology	Feline	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Feline Infectious Peritonitis (FIP) ELISA	\$37.00	Virology	Feline	Minimum 0.5 ml serum or plasma	Monday - Friday	1-2 business days	Antibody test
Feline Infectious Peritonitis (FIP)/ Feline Enteric Coronavirus (FCoV) FA	\$11.65	Virology	Feline	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test

IMMUNODIAGNOSTICS *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Feline Leukemia virus (FeLV) Rapid SNAP™ Immunoassay	\$25.50	Virology	Feline	Minimum 0.5 ml serum or plasma	Monday - Friday	1-2 business days	Antigen test
Feline Leukemia virus (FeLV)/ Feline Immunodeficiency virus (FIV)/ Heartworm (Feline Triple) Rapid SNAP™ Immunoassay	\$34.00	Virology	Feline	Minimum 0.5 ml serum or plasma	Monday - Friday	1-2 business days	Antigen/Antibody test
Feline Panleukopenia Virus (FPLV) FA	\$11.65	Virology	Feline	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
<i>Leptospira</i> (per serovar) MAT	\$3.00	Virology	Any	Minimum 1 ml serum in red top uacutainer tube	Thursday	1-2 business days	Antibody test
<i>Leptospira interrogans</i> (routine 5 serovars) MAT	\$15.90	Virology	Any	Minimum 1 ml serum in red top uacutainer tube	Thursday	1-2 business days	Antibody test Includes serovars: Canicola, Grippityphosa, Hardjo, Icterohemorrhagiae, Pomona
<i>Leptospira interrogans</i> (7 serovars) MAT	\$22.10	Virology	Any	Minimum 1 ml serum in red top uacutainer tube	Thursday	1-2 business days	Antibody test Includes serovars: Canicola, Grippityphosa, Hardjo, Icterohemorrhagiae, Pomona, Autumnalis, Bratislava
<i>Leptospira interrogans</i> FA	\$11.65	Virology	Any	Minimum 1 ml urine or 1 g tissue	Scheduled when received	1-5 business days	Antigen test
<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP/Johne's) ELISA	\$9.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top uacutainer tube *Collection in Sarstedt tubes is encouraged for large cases	Wednesday - Friday	2-4 business days	Antibody test
<i>Neospora caninum</i> cELISA	\$8.00	Virology	Equine, Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top uacutainer tube	Wednesday - Friday	2-4 business days	Antibody test
Ovine Abortion Serology Panel	\$51.50	Serology/Virology	Ovine	Minimum 2 ml serum or clotted blood in red or tiger top uacutainer tube	Scheduled when received	5-7 business days	Includes Toxoplasmosis ELISA, Q Fever ELISA, <i>Brucella ovis</i> ELISA, BTV cELISA, and BVD ELISA
Parainfluenza virus type 3 (PI3) virus SN	\$7.40	Virology	Ruminant	Minimum 1 ml serum in red top uacutainer tube	Tuesday, Friday	2-3 business days	Antibody test
Parainfluenza virus type 3 (PI3) FA	\$11.65	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Porcine parvovirus (PPV) FA	\$11.65	Virology	Porcine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Pseudorabies gB ELISA	\$8.00	Virology	Porcine	Minimum 1 ml serum in red top uacutainer tube	Tuesday	1-5 business days	Antibody test
Rabies DFA	\$36.00	Virology	Mammals	Disarticulated head with entire fresh intact brain, or entire carcass (preferred for bats, rodents)	Scheduled when received	1-2 business days	Antigen test
Relaxin Small Animal Pregnancy Test (Witness™)	\$26.52	Virology	Canine, Feline	Minimum 1 ml serum in red top uacutainer tube	Scheduled when received	1-2 business days	Antigen test

IMMUNODIAGNOSTICS *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Ruminant Abortion Serology Panel	\$51.50	Serology/Virology	Ruminant	Minimum 2 ml serum or clotted blood in red or tiger top vacutainer tube	Scheduled when received	5-7 business days	Includes <i>Neospora caninum</i> ELISA, BHV-1 SN, <i>B. abortus</i> BAPA, BVDV 162 SN, and <i>Leptospira</i> MAT (7 serovars)
Ruminant Pregnancy ELISA	\$4.75	Virology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Scheduled when received	5-7 business days	Antigen test
Salmonella Pullorum/Gallinarum MAT	\$6.90	Serology	Avian	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Scheduled when received	5-7 business days	Antibody test NPIP-approved method
Toxoplasmosis IgG ELISA	\$14.95	Virology	Any	Minimum 1 ml serum or clotted blood in red or tiger top vacutainer tube	Scheduled when received	2-4 business days	Antibody test
Vesicular Stomatitis Virus (VSV) CF	\$58.35	Serology	Equine, Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Scheduled when received	2-4 business days	Antibody test *Call for sample collection instructions before submission
Vesicular Stomatitis Virus (VSV) New Jersey, Indiana SN	\$19.00	Virology	Equine, Ruminant	Minimum 1 ml serum or whole blood	Tuesday, Friday	2-3 business days	Antibody test
Virus Isolation	\$36.00	Virology	Ruminant	Minimum 1 ml serum or whole blood in heparin tube or purple top EDTA vacutainer tube	Friday	≥21 business days	Typically used for BVDV isolation; Please contact the laboratory for other virus isolation inquiries
West Nile virus (WNV) IgM ELISA	\$27.50	Virology	Equine	Minimum 1 ml serum in red top vacutainer tube	Scheduled when received	1-5 business days	Antibody test

MOLECULAR DIAGNOSTICS

General notes: *Trichomonas foetus* and *Salmonella* Enteritidis testing: Incubation of samples may be required upon laboratory receipt. Turnaround time for PCR testing may vary due to assay batching and volume of specimens received. Only approved tests may be completed on pooled samples; pooling by submitter or laboratory is detailed below. For submissions that do not specify individual or pooled, specimens will be held until the submitter can be contacted for clarification (turnaround time may be delayed). Pooled testing: Individuals from positive pools may be retested and charged to the submitter. Some NAHLN-approved assays may require a federally initiated Foreign Animal Disease Investigation (FADI) before testing.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
African Swine Fever (ASF) Virus PCR	\$42.45	Molecular	Porcine	Call laboratory prior to submission	Scheduled when received	1-5 business days	Notify laboratory prior to submission
Avian paramyxovirus (APMV-1)/ virulent Newcastle Disease (vND) PCR	\$42.45	Molecular	Avian	Call laboratory prior to submission	Scheduled when received	1-5 business days	Notify laboratory prior to submission
Bovine Viral Diarrhea Virus (BVDV) Individual PCR	\$42.45	Molecular	Ruminant	Ear notch tissue	Scheduled when received	1-5 business days	Other sample types may be acceptable, call laboratory for submission guidance
Bovine Viral Diarrhea Virus (BVDV) MVDL-Pooled PCR	\$69.00	Molecular	Ruminant	Ear notch tissue; up to 24 ear notch samples pooled by MVDL	Scheduled when received	1-5 business days	
Classical Swine Fever (CSF) Virus PCR	\$42.45	Molecular	Porcine	Call laboratory prior to submission	Scheduled when received	1-5 business days	Notify laboratory prior to submission
Coronavirus-Rotavirus (CoRo) Multiplex PCR	\$47.75	Molecular	Bovine	Minimum 1 g fresh feces or dry Dacron polyester swab with or without transport media	Scheduled when received	1-7 business days	

MOLECULAR DIAGNOSTICS *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<i>Escherichia coli</i> – K99 PCR	\$42.45	Molecular	Ruminant	Minimum 1 g fresh feces	Scheduled when received	1-5 business days	
Foot and Mouth Disease (FMD) Virus PCR	\$42.45	Molecular	Ruminant	Call laboratory prior to submission	Scheduled when received	1-5 business days	Notify laboratory prior to submission
Influenza A Virus (IAV) Client-Pooled PCR (NPIP-approved method)	\$42.45	Molecular	Avian (only)	Up to 5 samples may be <u>pooled by submitter</u> into one tube of 3 ml BHI broth or up to 11 samples may be <u>pooled by submitter</u> into one tube of 5.5 ml BHI broth with antibiotics	Scheduled when received	1-5 business days	Samples must be tested within 72 hours of collection; do not freeze samples prior to submission; dry or frozen swabs are not acceptable
Influenza A Virus (IAV) Individual PCR (Diagnostic)	\$42.45	Molecular	Avian, Porcine, Other Mammals	<i>Avian</i> : Oropharyngeal swab, tracheal swab, cloacal swab, and/or tissue <i>Swine</i> : nasal swabs, lung tissue, or oral fluid <i>Other Mammals</i> : Call laboratory prior to submission	Scheduled when received	1-5 business days	Swabs must be moistened in BHI broth, VTM, or sterile saline; other media may be acceptable (call lab); for HPAI/LPAI suspects and clinical swine, please notify lab prior to submission; do not freeze samples; dry or frozen swabs are not acceptable
<i>Mycobacterium avium subsp. paratuberculosis</i> (MAP/Johne's) Individual PCR	\$38.20	Molecular	Ruminant	Minimum 1 g fresh feces	Monday - Friday	1-5 business days	Specify individual testing on submission form Ship with ice pack
<i>Mycobacterium avium subsp. paratuberculosis</i> (MAP/Johne's) Pooled PCR	\$44.55	Molecular	Ruminant	Minimum 1 g fresh feces; up to 5 fecal samples may be <i>pooled by MVDL</i>	Monday - Friday	1-5 business days	Specify pooled testing on submission form Ship with ice pack
<i>Mycoplasma bovis</i> PCR	\$38.20	Molecular	Ruminant	Swabs, tissues	Scheduled when received	1-5 business days	
Disease Virus 2 (RHDV-2) PCR	\$42.45	Molecular	Lagomorphs	Liver, spleen, whole carcass	Scheduled when received	1-5 business days	Please notify laboratory prior to submission
<i>Salmonella</i> Enteritidis (SE) PCR (NPIP-approved method)	\$38.20	Molecular	Avian	Environmental swabs or chick papers	Tuesday, Thursday	1-4 business days	Use SE submission form
<i>Trichomonas foetus</i> Individual RNA PCR in (1:10) Sterile, Physiological Saline Tube	\$31.80	Molecular	Bovine	Preputial wash or vaginal fluid (1 part) in sterile tube with (9 parts) sterile physiological saline Preputial wash or vaginal fluid in InPouch™ TF Bovine or TF™ Transit Tube	Monday, Wednesday, Friday	1-5 business days	Specify individual testing Ship refrigerated or frozen (do not warm, use cold pack in hot weather) Expired transport/culture media is not accepted for regulatory testing
<i>Trichomonas foetus</i> MVDL-Pooled RNA PCR in (1:10) Sterile, Physiological Saline Tube	\$58.35	Molecular	Bovine	Preputial wash or vaginal fluid (1 part) in sterile tube with (9 parts) sterile physiological saline Preputial wash or vaginal fluid in InPouch™ TF Bovine or TF™ Transit Tube	Monday, Wednesday, Friday	1-5 business days	Specify pooled testing Ship refrigerated or frozen (do not warm, use cold pack in hot weather) Expired transport/culture media is not accepted for regulatory testing
Vesicular Stomatitis Virus (VSV) PCR	\$42.45	Molecular	Equine, Ruminant	Call laboratory for sample collection instruction prior to submission	Scheduled when received	1-5 business days	Please notify laboratory prior to submission

PARASITOLOGY

General notes: Submit samples with ice pack (do not freeze).
Some tests have minimal sample volume requirements: see guidance below.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<i>Cryptosporidium</i> Exam - Modified Acid-Fast	\$10.60	Clinical Microbiology	Any	Minimum 1 g (~1 teaspoon) fresh feces	Monday - Friday	1-3 business days	
<i>Dirofilaria immitis</i> (canine heartworm) ELISA	\$12.70	Virology	Canine, Feline	Minimum 0.5 ml whole blood, or serum, or plasma	Scheduled when received	1-2 business days	Antigen test
<i>Dirofilaria immitis</i> (canine heartworm) Microfilaria Exam	\$12.70	Clinical Microbiology	Canine, Feline	Minimum 1 ml whole blood in purple top EDTA vacutainer tube	Monday - Friday	1-2 business days	Modified Knott's Test
Fecal Flotation (fecal egg count)	\$18.00	Clinical Microbiology	Any	Minimum 3 g (~1 tablespoon) fresh feces (within 48 hours of collection preferred) packaged in wide-mouth container or double bag (DO NOT use red top tubes)	Monday - Friday	1-2 business days (Samples received after 2pm on Fridays will be tested the following business day)	Centrifugal method, reported as "eggs per gram" of feces Ship with ice pack
Fecal Flotation, Quantative (fecal egg count)	\$23.00	Clinical Microbiology	Any	Minimum 4 g fresh feces (within 48 hours of collection preferred) packaged in wide-mouth container or double bag (DO NOT use red top tubes)	Monday - Friday	1-2 business days (Samples received after 2pm on Fridays will be tested the following business day)	Modified McMaster's, reported as "eggs per gram" of feces Ship with ice pack.
Giardia Rapid SNAP™ Immunoassay	\$19.10	Virology	Canine, Feline	Minimum 1 g fresh feces	Scheduled when received	1-2 business days	Antigen test Ship with ice pack
Liver Fluke Sedimentation	\$31.80	Clinical Microbiology	Ruminant	Minimum 2 g fresh feces	Monday - Friday	1-3 business days	
Parasite/Arthropod Identification	\$29.70	Clinical Microbiology	Any	Whole parasite, fresh or formalin fixed	Monday - Friday	1-7 business days	Package in plastic leak-proof container
<i>Trichinella</i> Pepsin Degradation	\$89.00	Clinical Microbiology	Any	2x2 inch section of fresh, frozen, or salted tongue or diaphragm *Other striated muscle may be acceptable	Scheduled when received	>1 business day	Please notify laboratory prior to submission
<i>Tritrichomonas foetus</i> Culture	\$7.40	Clinical Microbiology	Bovine	Preputial wash, or smegma, or vaginal fluid, or uterine discharge, or fetal abomasal fluid in InPouch™ TF Bovine	Monday - Friday	5-7 business days	Expired transport/culture media is not accepted for regulatory testing Must be shipped at ambient temperature (do not refrigerate or freeze); ship with hot pack in cold weather
<i>Tritrichomonas foetus</i> Culture	\$9.30	Clinical Microbiology	Feline	Minimum 1 g fresh feces	Monday - Friday	5-7 business days	Must be shipped at ambient temperature (do not refrigerate or freeze); ship with hot pack in cold weather

PATHOLOGY

General notes: Please call the laboratory prior to submission of whole carcasses.

On-site euthanasia of livestock via captive bolt is only available in special circumstances and when arranged in advance.

In some special situations (after-hours, insurance, legal necropsies, consultations, etc.), the hourly rate for pathologist time may be assessed in addition to standard fees.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Livestock Abortion Workup	\$90.00	Various	Livestock	*MVDL specimen collection/ transport kit or full carcass	Monday - Friday	2 business days minimum	Includes abortion cultures; Necropsy/Histopathology are additional fees
Biopsy (per site)	\$65.00	Pathology	Any	Adequately fixed tissue preferred *MVDL specimen collection/ transport kit preferred	Monday - Friday	2 business days minimum	Includes special stains as needed Provide full history on submission form
Cytology (aspirate, smear, imprint)	\$55.00	Pathology	Multiple	Air dried slide(s) protected from breakage (indicate site and complete history)	Monday - Friday	1 business day minimum	
Decalcification/Keratin Treatment	\$12.00	Pathology	Multiple	Fixed or fresh tissue	Monday - Friday	2 business days minimum	
Slide Processing e.g., H&E, recuts (per slide, without evaluation)	\$9.00	Pathology	Any	Various	Monday - Friday	1 business day minimum	Per specific request Contact the laboratory for further information
Fluid Analysis	\$60.00	Pathology	Multiple	Minimum 0.5 ml fluid in lavender top EDTA tube and minimum 0.5 ml fluid in red top vacutainer tube	Monday - Friday	Same day if received by 3:00PM	Includes total cell count, TP, and cytology Ship with ice pack
Margin Inking and Evaluation	\$10.50	Pathology	Any	Tissue	Monday - Friday	1 business day minimum	Per specific request
Necropsy - Livestock	\$125.00 + carcass disposal	Pathology	Livestock	Intact carcass	Monday - Friday	2 business days minimum	Please call laboratory before submission Carcass disposal min: \$10, max: \$400
Necropsy - Non-livestock	\$155.00 + carcass disposal	Pathology	Non-livestock	Intact carcass	Monday - Friday	2 business days minimum	Please call laboratory before submission Carcass disposal min: \$10, max: \$400
Necropsy Mail in	\$65.00	Pathology	Any	*MVDL specimen collection/ transport kit preferred	Monday - Friday		Includes special stains as needed
Special Stain (additional request)	\$10.50	Pathology	Any	Per specific request	Monday - Friday	2 business days minimum	
Small Animal Spinal Cord Removal	\$75.00 + necropsy fee	Pathology	Multiple	As needed	Monday - Friday	1 business day minimum	Performed when necessary for diagnosis
Large Animal Spinal Cord Removal	\$125.00 + necropsy fee	Pathology	Multiple	As needed	Monday - Friday	1 business day minimum	Performed when necessary for diagnosis