

# Montana Veterinary Diagnostic Laboratory - MVDL

## Tests, Fees, Submission Guide



Note:  
P.O. Box addressed items no longer reach us!

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.
- Testing may be performed with a disclaimer on non-listed specimen types; please contact the laboratory to discuss testing on non-listed or non-validated specimen types.
- For some livestock, e.g., Cattle, Sheep, Goats, Horses, Mules, Swine, Poultry, Llamas, Alpacas, Domestic Bison, Ratites, or alternative, discounted Department of Livestock per-capita fee rates apply.
- Turnaround times listed below are based on normal operating conditions, capacity, inventory, and staffing and may be subject to change.
- Shipments received after 3PM may be processed the following business day.

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.

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.

- We strongly encourage submitters to access and fill out our current forms electronically and submit them to us via email to increase efficiency and accuracy.
- Animal identification numbers not received electronically will not routinely be entered or included on reports; please submit animal ID information electronically to receive the highest quality reports.

Please use suitable shipping containers, compliant shipping labels, and package tracking.

- Discounted, flat rate UPS shipping is available through our web portal.
- COD shipments are not accepted.
- For the most efficient and timely receipt of results, we recommend accessing test results via our web portal or receiving e-mailed reports.
- Completed submission forms, web portal requisitions, or any other accepted means of test request creates a contractual agreement of services between the client and the MVDL.
- Non-porous shipping materials (e.g., hard sided coolers) may be disinfected and returned for a service fee plus shipping upon request and approval.

submission/order forms: <https://liv.mt.gov/Diagnostic-Lab/index>  
email MVDL: [mudl@mt.gov](mailto: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 (per carcass)	\$50.00	Administrative	NA	NA	NA	NA	Applied when after hours receiving is requested and approved
After Hours Reporting (per report)	\$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 (1)/ Transfer to Trichomonas foetus InPouch™ Media (1)	\$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
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 (40 tubes)	\$2.00 + 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
Cardboard Blood Tube Mailer (100 tubes)	\$2.00 + 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
Shipping Flat Rate Incoming Ground (WEB submissions)	\$8.00	Administrative	NA	NA	NA	NA	Flat-rate shipping fee applied when labels are generated from the web portal
Shipping Material Decontamination & Return	\$7.50 + shipping	Administrative	NA	NA	NA	NA	Additional fee assessed when non- porous shipping material return is prearranged
Case Material/Remains Return/Transfer	\$25.00 + shipping	Administrative	NA	NA	NA	NA	Subject to DVM approval; contact laboratory
Carcass Disposal Livestock	\$0.50 per pound	Administrative	NA	NA	NA	NA	Additional to necropsy/ diagnostic workup fees
Carcass Disposal Non-livestock	\$1.00 per pound	Administrative	NA	NA	NA	NA	Additional to necropsy/ diagnostic workup fees
Report Duplicate Hardcopy	\$4.00	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).

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Aerobic Culture	\$30.00	Bacteriology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags *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)	\$15.00	Bacteriology	see Aerobic Culture	see Aerobic Culture	see Aerobic Culture	see Aerobic Culture	Fee assessed per identified isolate, see Aerobic Culture
Anaerobic Culture	\$35.00	Bacteriology	Any	Swabs in anaerobic transport media, or fluids in sterile tubes, or tissue in sterile bags	Scheduled when received	≥3 business days	Ship at ambient temperature (do not freeze)
Anaerobic Culture (each additional isolate)	\$22.00	Bacteriology	see Anaerobic Culture	see Anaerobic Culture	see Anaerobic Culture	see Anaerobic Culture	Fee assessed per identified isolate, includes clostridial rule-out
Antimicrobial Susceptibility Testing (per panel, per isolate)	\$25.00	Bacteriology	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)	\$15.45	Bacteriology	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	\$20.60	Bacteriology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags	Monday – Friday	>5 business days	Suspect Select Agent isolates may be referred for confirmatory testing
<i>Campylobacter</i> sp. Culture	\$16.50	Bacteriology		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	\$110.00	Bacteriology/ Parasitology/ 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	\$30.90	Mycology	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	\$10.30	Bacteriology	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	\$11.30	Bacteriology	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	\$140.00	Bacteriology/ Parasitology/ 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)	\$30.90	Mycology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags	Scheduled when received	≥14 business days	Ship at ambient temperature (do not refrigerate or freeze)
Listeria sp. Culture	\$24.70	Bacteriology	Any	Brainstem (preferred), or tissues in sterile bags, or swabs in transport media, or fluids in sterile tubes	Monday - Friday	≥7 business days	Ship with ice pack
Mycoplasma sp. Culture	\$20.60	Bacteriology	Any	Swabs in transport media, or fluids in sterile tubes, or tissues in sterile bags	Monday - Friday	3-15 business days	Isolates may be referred for speciation
Neonatal Diarrhea Workup	\$140.00	Bacteriology/ Parasitology/ 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 Selective Culture method	\$28.85	Bacteriology	Auian	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 or Gallinarum Selective Culture method (NPIP-approved)	\$28.85	Bacteriology	Auian	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	\$20.60	Bacteriology	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 submit spun-down samples to prevent the potential need for sample re-submission.  
 Most tests require a minimum 0.5 ml serum sample; if multiple tests are to be run, the submitted volume should reflect the number of tests ordered.  
 Markedly hemolyzed samples and/or samples under 0.5 ml may not be able to be tested.  
 Lipemic samples may be testable if sufficient volume (0.5 ml minimum) is received for clearing before testing.

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<b>Biochemistry Panels</b>							
Small Animal Chemistry Panel	\$30.90	Clinical Pathology	Canine, Feline	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same/1 business day if received by 3:00PM	Includes CK, AST, ALT, ALP, Glu, Chol, TP, Alb, Glob, Ca, PO <sub>4</sub> , BUN, Creat, TBilli, Na, K, Cl, and TCO <sub>2</sub> . Amylase included for canine samples
Large Animal Chemistry Panel	\$30.90	Clinical Pathology	Large Animal	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	Includes CK, AST, GGT, ALP, Glu, TP, ALB, Glob, Ca, PO <sub>4</sub> , BUN, Creat, TBilli, DBilli, Na, K, Cl, TCO <sub>2</sub> , and Mg
Canine Endocrine Panel	\$28.85	Clinical Pathology	Canine	Minimum 0.5 ml serum or heparinized plasma requested	Monday - Friday	Same day if received by 3:00PM	Includes Ca, PO <sub>4</sub> , TP, ALB, ALP, ALT, AST, Chol, Na, K, Cl, TCO <sub>2</sub> , Glu, and Total T4



**CLINICAL PATHOLOGY** *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Feline Geriatric Panel	\$18.55	Clinical Pathology	Feline	Minimum 0.5 ml serum or heparinized plasma requested	Monday - Friday	Same day if received by 3:00PM	Includes ALP, ALT, AST, GGT, BUN, Creat, PO <sub>4</sub> , and Total T4
Small Animal Hepatic Panel	\$24.70	Clinical Pathology	Canine, Feline	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	Includes ALT, AST, ALP, GGT, TBilli, DBilli, TP, ALB, Glob, Chol, BUN, and Glu
Small Animal Renal Panel	\$24.70	Clinical Pathology	Canine, Feline	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	Includes BUN, Creat, TP, ALB, Glob, Ca, PO <sub>4</sub> , Na, K, Cl, and TCO <sub>2</sub>
Chemistry (individual biochemical) (each)	\$3.00	Clinical Pathology		Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	Select from ALB, ALP, ALT, Amylase, Bicarbonate, AST, BUN, Ca, Cl, Chol, CK, Creat, DBilli, Glu, GGT, Mg, PO <sub>4</sub> , K, Na, TBilli, and TP
<b>Clinical Profiles</b>							
Small Animal Clinical Profile	\$44.30	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	Includes CBC, differential, and biochemical panel
Large Animal Clinical Profile	\$47.40	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	Includes CBC, differential, fibrinogen, and biochemical panel
Electrolyte Panel	\$13.40	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	Includes Na, K, Cl, and TCO <sub>2</sub>
Electrolyte Panel (expanded)	\$18.55	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	Includes Ca, PO <sub>4</sub> , Mg, Na, K, Cl, and TCO <sub>2</sub>
Equine Fitness Profile	\$41.20	Clinical Pathology	Equine	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	Includes CK, AST, GGT, TP, ALB, Glob, Ca, PO <sub>4</sub> , TBilli, Na, K, Cl, TCO <sub>2</sub> , CBC, Differential, and Fibrinogen
Feline Profile	\$82.40	Clinical Pathology	Feline	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	Includes CBC, differential, chemistry panel with Total T4, FeLV, FIV, & smear evaluation for erythrocyte parasites
Small Animal Health Screen	\$59.75	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full and 5.0ml urine	Monday - Friday	Same day if received by 3:00PM	Includes CBC, differential, chemistry panel, and urinalysis
Large Animal Health Screen	\$61.80	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full and 5.0ml urine	Monday - Friday	Same day if received by 3:00PM	Includes CBC, differential, fibrinogen, chemistry panel, and urinalysis
Small Animal Pre-anesthetic Profile	\$30.90	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma and lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	Includes BUN, Creat, ALT, ALP, Glu, TP, CBC, and differential
<b>Endocrinology</b>							
Adrenocorticotrophic Hormone (ACTH) Stimulation	\$36.05	Clinical Pathology	Multiple	Minimum 0.5 ml serum for each assay	Monday - Friday	Same day if received by 3:00PM	Collect sample prior to and 1-2 hours after injection of ACTH
Cortisol	\$18.55	Clinical Pathology	Canine, Feline, Equine	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	
Small Animal Dexamethasone Suppression (pre & post)	\$51.50	Clinical Pathology	Canine, Feline	Minimum 0.5 ml serum for each assay	Monday - Friday	Same day if received by 3:00PM	Collect sample pre injection, 4 hours post injection, and 8 hours post injection



**CLINICAL PATHOLOGY** *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Equine Dexamethasone Suppression (pre & post)	\$51.50	Clinical Pathology	Equine	Minimum 0.5 ml serum for each assay	Monday - Friday	Same day if received by 3:00PM	Collect sample pre injection and 24 hours post injection
Free Thyroxine (Free T4)	\$12.35	Clinical Pathology	Canine, Feline	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	
Canine Thyroid Panel	\$36.05	Clinical Pathology	Canine	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	Includes Total T4, TSH, Free T4, and Total T3
Feline Thyroid Panel	\$30.90	Clinical Pathology	Feline	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	Includes Total T4, Free T4, and Total T3
Total Triiodothyronine (Total T3)	\$12.35	Clinical Pathology	Multiple	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	
Total Thyroxine (Total T4)	\$12.35	Clinical Pathology	Canine, Feline, Equine	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	
Thyroid Stimulating Hormone (TSH)	\$12.35	Clinical Pathology	Canine	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	
<b>Other Serum Chemistry</b>							
Bile Acids	\$30.90	Clinical Pathology	Canine, Feline, Equine	Minimum 0.5 ml serum or heparinized plasma	Monday - Friday	Same day if received by 3:00PM	
Bile Acids (pre & post)	\$43.25	Clinical Pathology	Canine, Feline, Equine	Minimum 0.5 ml serum or heparinized plasma for each assay	Monday - Friday	Same day if received by 3:00PM	Collect at 12-hour fasting and 2 hours post-prandial
Phenobarbital	\$28.85	Clinical Pathology	Multiple	Minimum 0.5 ml serum or heparinized plasma (DO NOT use serum separator tube)	Monday - Friday	Same day if received by 3:00PM	
Pancreatic Lipase Immunoreactivity (PLI)	\$28.85	Clinical Pathology	Canine, Feline	Minimum 0.5 ml serum	Monday - Friday	Same day if received by 3:00PM	
<b>Hematology</b>							
Small Animal CBC with Differential	\$22.00	Clinical Pathology	Multiple	Lavender top EDTA vacutainer tube at least half full (cannot perform test if clotted, grossly hemolyzed, or deteriorated) and optional slides	Monday - Friday	Same day if received by 3:00PM	Includes WBC, RBC, HGB, HCT, MCV, MCH, MCHC, platelets, WBC differential, plasma protein, blood smear evaluation, and reticulocyte if indicated
Large Animal CBC with Differential	\$22.00	Clinical Pathology	Multiple	Lavender top EDTA vacutainer tube at least half full (cannot perform test if clotted, grossly hemolyzed, or deteriorated) and optional slides	Monday - Friday	Same day if received by 3:00PM	Includes WBC, RBC, HGB, HCT, MCV, MCH, MCHC, platelets, manual WBC differential, plasma protein, smear evaluation, and fibrinogen
Feline Anemia Panel	\$49.45	Clinical Pathology	Feline	Minimum 0.5 ml serum or heparinized plasma AND lavender top EDTA vacutainer tube at least half full and optional slides	Monday - Friday	Same day if received by 3:00PM	Includes CBC, differential, FeLV, FIV, and smear evaluation for erythrocyte parasites
Fibrinogen	\$8.00	Clinical Pathology	Multiple	Lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	
Reticulocyte Count	\$10.00	Clinical Pathology	Multiple	Lavender top EDTA vacutainer tube at least half full	Monday - Friday	Same day if received by 3:00PM	
<b>Urinalogy</b>							
Urinalysis	\$18.00	Clinical Pathology	Multiple	Minimum 5 ml urine collected by free-catch, catheterization, or cystocentesis 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



**CLINICAL PATHOLOGY** *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<b>Miscellaneous Clinical Pathology</b>							
Blood Cross Match	\$18.55	Clinical Pathology		Minimum 3 ml whole blood in lavender top EDTA vacutainer tube per animal	Monday - Friday	Same day if received by 3:00PM	
Coagulation (individual) (PT & APTT only)	\$24.70	Clinical Pathology		Light blue top sodium citrate vacutainer tube filled to mark (DO NOT over or under fill) or centrifuged plasma transferred to leak proof plastic tube, frozen	Monday - Friday	Same day if received by 3:00PM	Ship frozen overnight with dry ice
Direct Coombs	\$32.95	Clinical Pathology	Canine	Minimum 1 ml whole blood in lavender top EDTA vacutainer tube and slide(s)	Monday - Friday	2 business days	
IgG RID	\$18.55	Clinical Pathology	Bovine, Equine	Minimum 0.5 ml serum	Monday - Friday	2 business days	
Nitrate	\$16.50	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	\$25.75	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	\$8.25	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday - Friday	1 business day	Ship refrigerated or with ice pack
Brucella Ring Test	\$8.25	Milk Laboratory	Multiple	Minimum 100 ml milk	Scheduled when received	1 business day	Ship refrigerated or with ice pack
Component Electronic	\$10.00	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	\$5.15	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	\$15.45	Milk Laboratory	Multiple	Minimum 100 grams cheese	Monday - Friday	1 business day	Ship refrigerated or with ice pack
Somatic Cell Count	\$10.00	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday - Friday	1 business day	Ship refrigerated or with ice pack
Aerobic Plate Count	\$25.00	Milk Laboratory	Multiple	Minimum 100 ml milk	Monday - Wednesday	2-4 business days	Ship refrigerated or with ice pack
Coliform Plate Count	\$25.00	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	\$8.25	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	\$10.30	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	\$8.25	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
Bluetongue virus (BTV) cELISA	\$10.30	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
Bovine coronavirus (BCV) FA	\$11.30	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Herpesvirus-1 (BHV-1 / IBR) SN	\$9.25	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	\$11.30	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Leukemia Virus (BLV) ELISA	\$8.25	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	\$11.30	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Bovine Respiratory Syncytial virus (BRSV) SN	\$10.30	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	\$6.20	Virology	Ruminant	Minimum 1 ml serum, or clotted blood, or 1/2" ear notch	Monday, Thursday	1-2 business days	Antigen test
Bovine Viral Diarrhea virus (BVDV) FA	\$11.30	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	\$7.20	Virology	Ruminant	Minimum 1 ml serum, or 1 ml clotted blood, or 1/2" ear notch	Scheduled when received	1-2 business days	Antigen test
Bovine Viral Diarrhea virus (BVDV) type I & II SN	\$18.55	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> Complement Fixation (CF)	\$3.50	Serology	Ruminant	Minimum 1 ml serum (preferred) or clotted blood in red or tiger top vacutainer tube	Wednesday, Thursday	2-4 business days	Antibody test



**IMMUNODIAGNOSTICS** *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<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> Rivanol	\$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 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)	\$25.00	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
<i>Brucella ovis-canis</i> (BOC) ELISA	\$9.25	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	1-7 business days	Antibody test
Canine Distemper Virus (CDV) ELISA	\$12.00	Virology	Canine	Minimum 5 ml serum or plasma	Scheduled when received	2-4 business days	Antibody test
Canine Distemper Virus (CDV) FA	\$11.30	Virology	Canine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Canine Parvovirus (CPV) FA	\$11.30	Virology	Canine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Canine Parvovirus (CPV) Rapid SNAP™ Immunoassay	\$30.90	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	\$9.25	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	\$15.00	Virology	Cervids	Fresh tissue (retropharyngeal lymph nodes, obex)	Scheduled when received	>5 business days	Notify laboratory prior to submission
<i>Coxiella burnetii</i> (Q Fever) ELISA	\$13.40	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
<i>Dirofilaria immitis</i> (canine heartworm) ELISA	\$12.35	Virology	Canine, Feline	Minimum 0.5 ml whole blood, or serum, or plasma	Scheduled when received	1-2 business days	Antigen test
Epizootic Hemorrhagic Disease Virus (EHDV) AGID	\$13.40	Serology	Cervid, Ruminant	Minimum 1 ml serum, or plasma, or milk	Scheduled when received	2-4 business days	Antibody test
Equine Abortion Serology Panel	\$45.00	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 Leptospirosis MAT (5 serovars)
Equine Herpesvirus (EHV) (rhinopneumonitis) SN	\$16.00	Virology	Equine	Minimum 1 ml serum in red top vacutainer tube	Scheduled when received	5-7 business days	Antibody test
Equine Herpesvirus (EHV) FA	\$11.30	Virology	Equine	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
Equine Infectious Anemia (EIA) AGID	\$10.30	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	\$14.40	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
Equine Infectious Anemia (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	\$16.50	Virology	Equine	Minimum 1 ml serum in red top vacutainer tube	Tuesday, Friday	2-3 business days	Antibody test
Miscellaneous FA	\$11.30	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	\$11.30	Virology	Feline	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Feline Infectious Peritonitis (FIP)/ Feline Enteric Coronavirus (FECov) ELISA	\$36.00	Virology	Feline	Minimum 0.5 ml serum or plasma	Monday - Friday	1-2 business days	Antibody test
Feline Infectious Peritonitis (FIP)/ Feline Enteric Coronavirus (FECov) FA	\$11.30	Virology	Feline	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Feline Leukemia virus (FeLV) Rapid SNAP™ Immunoassay	\$24.75	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	\$32.95	Virology	Feline	Minimum 0.5 ml serum or plasma	Monday - Friday	1-2 business days	Antigen/Antibody test
Feline Panleukopenia Virus (FPLV) FA	\$11.30	Virology	Feline	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Giardia Rapid SNAP™ Immunoassay	\$18.55	Virology	Canine, Feline	Minimum 1 g fresh feces	Scheduled when received	1-2 business days	Antigen test Ship with ice pack
<i>Leptospira autumnalis</i> , <i>bratislava</i> per serovar MAT	\$3.00	Virology	Any	Minimum 1 ml serum in red top vacutainer tube	Thursday	1-2 business days	Antibody test
<i>Leptospira canicola</i> , <i>grippotyphosa</i> , <i>hardjo</i> , <i>icterohemorrhagiae</i> , <i>pomona</i> (routine 5 serouars) MAT	\$15.45	Virology	Any	Minimum 1 ml serum in red top vacutainer tube	Thursday	1-2 business days	Antibody test
<i>Leptospira interrogans</i> FA	\$11.30	Virology	Any	Minimum 1 ml urine, or 1 ml serum, 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	\$9.25	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	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 vacutainer tube	Wednesday - Friday	2-4 business days	Antibody test



**IMMUNODIAGNOSTICS** *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
Ovine Abortion Serology Panel	\$50.00	Serology/Virology	Ovine	Minimum 2 ml serum or clotted blood in red or tiger top vacutainer 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	\$7.20	Virology	Ruminant	Minimum 1 ml serum in red top vacutainer tube	Tuesday, Friday	2-3 business days	Antibody test
Parainfluenza virus type 3 (PI3) FA	\$11.30	Virology	Ruminant	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Porcine parvovirus (PPV) FA	\$11.30	Virology	Porcine	Minimum 1 g tissue	Scheduled when received	1-5 business days	Antigen test
Pseudorabies gB ELISA	\$7.75	Virology	Porcine	Minimum 1 ml serum in red top vacutainer tube	Tuesday	1-5 business days	Antibody test
Rabies DFA - Large Animal (with histopathology)	\$67.00	Virology/Pathology	Ruminant, Equine, etc.	Entire intact fresh brain	Scheduled when received	1-2 business days	Antigen test
Rabies DFA - Small Animal	\$36.00	Virology	Canine, Feline, Bat, Rodent, etc.	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™)	\$25.75	Virology	Canine, Feline	Minimum 1 ml serum in red top vacutainer tube	Scheduled when received	1-2 business days	Antigen test
Ruminant Abortion Serology Panel	\$50.00	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 1&2 SN, and Leptospirosis MAT (5 serovars)
Ruminant Pregnancy ELISA	\$4.60	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	\$6.70	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
Toxoplasmosis IgG ELISA	\$14.50	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	\$56.65	Serology	Equine, Ruminant	collection instruction prior to submission Minimum 1 ml serum (preferred) or clotted blood in red or tiger top	Scheduled when received	2-4 business days	Antibody test Please notify laboratory prior to submission
Vesicular Stomatitis Virus (VSV) New Jersey, Indiana SN	\$18.50	Virology	Equine, Ruminant	Minimum 1 ml serum or whole blood	Tuesday, Friday	2-3 business days	Antibody test
Virus Isolation	\$35.00	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 [Ab]	\$26.75	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. 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 Virus (ASFV) PCR	\$41.20	Molecular	Porcine	Call laboratory for sample collection instruction prior to submission	Scheduled when received	1-5 business days	Please notify laboratory prior to submission
Avian paramyxovirus (APMV-1)/ virulent Newcastle Disease (vND) PCR	\$41.20	Molecular	Avian	Call laboratory for sample collection instruction prior to submission	Scheduled when received	1-5 business days	Please notify laboratory prior to submission
Bovine Viral Diarrhea Virus (BVDV) Individual PCR	\$41.20	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	\$66.95	Molecular	Ruminant	Ear notch tissue; up to 24 ear notch samples <u>pooled by MVDL</u>	Scheduled when received	1-5 business days	
Classical Swine Fever Virus (CSFV) PCR	\$41.20	Molecular	Porcine	Call laboratory for sample collection instruction prior to submission	Scheduled when received	1-5 business days	Please notify laboratory prior to submission
Coronavirus-Rotavirus (CoRo) Multiplex PCR	\$46.35	Molecular	Bovine	Minimum 1 g fresh feces or dry Dacron polyester swab with or without transport media	Scheduled when received	1-7 business days	
<i>Escherichia coli</i> - K99 PCR	\$41.20	Molecular	Ruminant	Minimum 1 g fresh feces	Scheduled when received	1-5 business days	
Foot and Mouth Disease Virus (FMDV) PCR	\$41.20	Molecular	Ruminant	Call laboratory for sample collection instruction prior to submission	Scheduled when received	1-5 business days	Please notify laboratory prior to submission
Influenza A Virus (IAV) Client-Pooled PCR (NPIP-approved method)	\$41.20	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)	\$41.20	Molecular	Avian, Porcine, Other Mammals (case by case)	<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</i> subsp. <i>paratuberculosis</i> (MAP/Johne's) Individual PCR	\$37.10	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</i> subsp. <i>paratuberculosis</i> (MAP/Johne's) Pooled PCR	\$43.25	Molecular	Ruminant	Minimum 1 g fresh feces; up to 5 fecal samples may be <u>pooled by MVDL</u>	Monday - Friday	1-5 business days	Specify pooled testing on submission form Ship with ice pack
Rabbit Hemorrhagic Disease Virus (RHDV-2) PCR	\$41.20	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)	\$37.10	Molecular	Avian	Environmental swabs or chick papers	Tuesday, Thursday	1-4 business days	Use SE submission form

**MOLECULAR DIAGNOSTICS** *continued*

Description	Fee	Service Area	Species	Specimen Detail	Test Days	Turnaround Time	Additional Information
<i>Trichostrongylus axei</i> Individual PCR	\$30.90	Molecular	Bovine	Preputial wash or vaginal fluid in InPouch™ TF Bovine or TF™ Transit Tube	Monday, Wednesday, Friday	1-5 business days	Specify individual testing on submission form Expired transport/culture media is not accepted for regulatory testing Ship dry at ambient temperature (do not refrigerate or freeze, use hot pack in cold weather)
<i>Trichostrongylus axei</i> MVDL-Pooled PCR	\$56.65	Molecular	Bovine	Preputial wash or vaginal fluid in InPouch™ TF Bovine or TF™ Transit Tube, up to 5 samples may be pooled by MVDL	Monday, Wednesday, Friday	1-5 business days	Specify pooled testing on submission form Expired transport/culture media is not accepted for regulatory testing Ship dry at ambient temperature (do not refrigerate or freeze, use hot pack in cold weather)
Vesicular Stomatitis Virus (VSV) PCR	\$41.20	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).  
 Samples received after 2pm on Fridays will be tested the following business day.  
 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	\$10.30	Parasitology	Any	Minimum 1 g (~1 teaspoon) fresh feces	Monday - Friday	1-3 business days	
<i>Dirofilaria immitis</i> Microfilaria Exam Modified Knott's Test	\$12.35	Parasitology	Canine, Feline	Minimum 1 ml whole blood in purple top EDTA vacutainer tube	Monday - Friday	1-2 business days	Canine heartworm
Fecal Flotation (fecal egg count)	\$15.45	Parasitology	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	Centrifugal method, reported as "eggs per gram" of feces Ship with ice pack
Liver Fluke Sedimentation	\$30.90	Parasitology	Ruminant	Minimum 2 g fresh feces	Monday - Friday	1-3 business days	
Parasite/Arthropod Identification	\$28.85	Parasitology	Any	Whole parasite, fresh or formalin fixed	Monday - Friday	1-7 business days	Package in plastic leak-proof container
<i>Trichinella</i> Pepsin Degradation	\$86.50	Parasitology	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>Trichostrongylus axei</i> Culture	\$7.20	Parasitology	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>Trichostrongylus axei</i> Culture	\$9.00	Parasitology	Feline	Minimum 1 g fresh feces	Monday - Friday	5-7 business days	Must be shipped at ambient temperature (do not refrigerate or freeze)



# 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
Abortion Workup	\$85.00	Various	Livestock	*MVDL specimen collection/ transport kit preferred	Monday - Friday	2 business days minimum	Follow kit guidance for sample collection and submission
Biopsy (per site)	\$60.00	Pathology	Any	*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)	\$50.00	Pathology	Multiple	Air dried slide(s) protected from breakage (indicate site and complete history)	Monday - Friday	1 business day minimum	
Decalcification/Keratin Treatment	\$11.30	Pathology	Multiple	Fixed or fresh tissue	Monday - Friday	2 business days minimum	
Duplicate/Research/ Other Slide Processing e.g., H&E, recuts (per slide, without evaluation)	\$8.00	Pathology	Any	Various	Monday - Friday	1 business day minimum	Per specific request Contact the laboratory for further information
Fluid Analysis	\$55.00	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, SG, and cytology Ship with ice pack
Margin Inking and Evaluation	\$10.30	Pathology	Any	Tissue	Monday - Friday	1 business day minimum	Per specific request
Necropsy - Livestock	\$125.00 + \$0.50/pound carcass disposal	Pathology	Livestock	Intact carcass	Monday - Friday	2 business days minimum	Please call laboratory before submission Fetal submissions include basic abortion workup
Necropsy - Non-livestock	\$155.00 + \$1.00/pound carcass disposal	Pathology	Non-livestock	Intact carcass	Monday - Friday	2 business days minimum	Please call laboratory before submission
Necropsy Mail in	\$60.00	Pathology	Any	*MVDL specimen collection/ transport kit preferred	Monday - Friday		Includes special stains as needed
Special Stain (additional request)	\$10.30	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