

# MONTANA VETERINARY DIAGNOSTIC LABORATORY USER'S GUIDE

## TESTS – FEES – SAMPLE REQUIREMENTS – SPECIAL INSTRUCTIONS – RESULT TURN AROUND TIME – TESTING DAYS

### ANATOMIC PATHOLOGY

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 NECROPSY  
 CARCASS DISPOSAL  
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 SPINAL CORD REMOVAL  
 TRANSMISSIBLE ENCEPHALOPATHY  
 HISTOPATHOLOGY  
 HISTOCHEMISTRY  
 IMMUNOHISTOCHEMISTRY  
 RESEARCH

### CLINICAL MICROBIOLOGY

CULTURE  
 ANTIBIOTIC SENSITIVITY  
 BACTERIAL SEROLOGY  
 CLOSTRIDIUM GENOTYPING  
 MICROSCOPY  
 PARASITE IDENTIFICATION

### CLINICAL PATHOLOGY

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 CLINICAL PANEL  
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### CYTOLOGY

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#### SEROLOGY

LARGE ANIMAL  
 SMALL ANIMAL

#### VIROLOGY

VIRAL SEROLOGY  
 FLUORESCENT ANTIBODY  
 ELECTRON MICROSCOPY  
 CULTURE

### ANATOMIC PATHOLOGY - NECROPSY

CALL LAB PRIOR TO SUBMISSION OF WHOLE ANIMALS  
 MINIMUM 2 DAYS PROCESSING REQUIRED – SET-UP DAILY M-F

TEST	FEE	SAMPLE REQUIREMENTS / SPECIAL INSTRUCTIONS
<b>ABORTION WORKUP</b> Livestock, MVDL Kits Only	\$52.50	Fetus, Tissues, Fluid, Blood Ship per <a href="http://www.liv.mt.gov/lab/forms.mcp">www.liv.mt.gov/lab/forms.mcp</a>
<b>NEONATAL DIARRHEA WORKUP</b> Livestock, MVDL Kits Only	\$100.00	Feces, Tissues, Fluid, Blood Ship per <a href="http://www.liv.mt.gov/lab/forms.mcp">www.liv.mt.gov/lab/forms.mcp</a>
<b>CARCASS DISPOSAL</b>	\$26.25 per 100 wt	
<b>NECROPSY</b>		
Cattle & Horse	Fetus \$73.50 Up to 150 lbs \$89.25 150 to 500 lbs \$115.50 More than 500 lbs \$157.50	
Small Ruminant	Fetus \$73.50 Up to 20 lbs \$73.50 More than 20 lbs. \$89.25	Multiple from same dam
Swine	Fetus \$73.50 Up to 25 lbs \$73.50 25 lbs to 250 lbs \$89.25 More than 250 lbs \$115.50	Multiple from same dam
Dog & Cat	\$115.50	Contact lab for cosmetic necropsy requests
Other Species	\$42.00 min.	Contact lab for fee 406-994-4885
<b>INSURANCE/LEGAL CASES</b>	\$157.50 per hour	Contact lab 406-994-4885
<b>RESEARCH</b>	Variable	Contact lab 406-994-4885
<b>SPINAL CORD REMOVAL</b>	Small Animal \$52.50 Large Animal \$105.00	
<b>TRANSMISSIBLE ENCEPHALOPATHIES</b>	Necropsy \$131.25 minimum Brain only removal \$31.50 minimum Immunohistochemistry & ELISA Referral + Shipping & Handling Fee	Fixed obex and retropharyngeal lymph nodes



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### ANATOMIC PATHOLOGY - HISTOPATHOLOGY / IMMUNOHISTOCHEMISTRY

NBF FIXED TISSUES SUBMITTED IN A SEALED CONTAINER ENCLOSED IN A BIOHAZARD BAG WITH ABSORBENT – NO TAPE.  
A COMPLETED SV43 IS REQUIRED WITH TISSUE SUBMISSION.

TEST	FEE	SAMPLE REQUIREMENTS	TEST DAYS / TAT	
Biopsy (per site) & Necropsy	1-3 slides	\$35.75	Fixed tissue	M-F / 2 days min.
	4-6 slides	\$42.00		
	7 -10 slides	\$48.50		
	11 or more slides	\$54.75		
Decal/Keratin Treatment	\$8.50	Fixed or fresh tissue	M-F / 2 days min.	
Duplicate H&E Slides	1-3 slides	\$18.00	M-F / same day	
	4 or more	\$5.25 per slide		
Histochemical Stain	\$8.50	Ordered at discretion of Pathologist	M-F / same day	
Immunohistochemical Stain	\$26.25	Ordered at discretion of Pathologist	M-F / 1 day	
Research	\$4.00 per slide plus \$24.00 per hour; Tissue, slide preparation and staining only		Variable	

### CLINICAL MICROBIOLOGY

ALL SPECIMENS MUST BE CLEARLY IDENTIFIED ON THE CORRESPONDING REQUIRED SV43 SUBMISSION FORM.  
ALL TRANSPORT MEDIA SHOULD BE VERIFIED AS "NOT EXPIRED" PRIOR TO USE FOR SAMPLE SUBMISSION.

TEST	FEE	SPECIMEN REQUIRED & SHIPPING AND HANDLING	TEST DAYS / TAT
Aerobic Culture	\$16.00	Swabs in transport media; fluids in sterile tubes; tissues in sterile bags; Ship refrigerated or with ice packs	M-F / 2-5 days
Aerobic - Additional Isolate	\$8.00	Swabs in transport media; fluids in sterile tubes; tissues in sterile bags. Per isolate.	M-F / 2-5 days
Anaerobic Culture	\$19.00	Swabs in anaerobic transport media; fluids in sterile tubes; tissue in sterile bags; Ship refrigerated or with ice packs	M-F / 3-7 days
Anaerobic - Additional Isolate	\$8.00	Swabs in anaerobic transport media; fluids in sterile tubes; tissue in sterile bags; Ship refrigerated or with ice packs. Per isolate.	M-F / 3-7 days
Antibiotic Sensitivity	\$10.50	Fee is per isolate tested; The disk-diffusion method is not standardized for some isolates	M-F / 2-5 days
<i>Brucella</i> Culture	\$16.00	Swabs in transport media; fluids in sterile tubes; tissues in sterile bags	M-F / 5-14 days
<i>Campylobacter</i> Culture Reproductive	\$13.00	Preputial wash, fetal membranes, fetal abomasal fluid; Ship in <i>Campylobacter</i> Transport Media (PRAS Campy-Thio, 7 ml) in tightly sealed tube	M-F / 5-7 days
<i>Campylobacter</i> Culture Intestinal	\$13.00	Feces or intestinal contents; Ship refrigerated or with ice packs	M-F / 3-7 days
Chlamydial ELISA	\$21.00	Moist swab; fresh, affected tissue; placenta; Ship refrigerated or with ice packs	M-F / 1-2 days
<i>Clostridium</i> FA	\$18.00	Tissue from affected site; Ship refrigerated or with ice packs	M-F / 1-2 days
<i>Clostridium perfringens</i> Genotyping	Referral	Intestine and/or small intestine contents; Ship refrigerated or with ice packs	Variable
Dermatophyte Culture & PAS	\$26.25	Hair with skin scraping, scab, nails, claws, or beak; Ship ambient temperature in sealed container – do not send glass slides	M-F / 2-5 weeks



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ALL TRANSPORT MEDIA SHOULD BE VERIFIED AS "NOT EXPIRED" PRIOR TO USE FOR SAMPLE SUBMISSION.

TEST	FEE	SPECIMEN REQUIRED & SHIPPING AND HANDLING	TEST DAYS / TAT
Direct Microscopy	\$8.50	Swabs, fluids, tissues, or feces; Ship refrigerated or with ice packs – do not send glass slides	M-F / 0-1 day
Environmental Culture	\$19.00	Swabs in transport media; Ship refrigerated or with ice packs	M-F / 2-5 days
Fecal Occult Blood	\$8.50	Feces or intestinal contents; Ship refrigerated or with ice packs	M-F / 0 -1 day
Fungal Culture Non-Dermatophyte	\$23.25	Swabs in transport media; fluids in sterile tubes; tissues in sterile bags; Ship refrigerated or with ice packs	M-F / 2-3 weeks
<i>Listeria</i> Culture	\$17.00	Swabs in transport media; fluids in sterile tubes; tissues in sterile bags; Ship refrigerated or with ice packs – Brainstem preferred tissue	M-F / 4-7 days
Milk Culture	\$16.00	Aseptically collected milk; Ship refrigerated or with ice packs	M-F / 2-5 days
<i>Mycoplasma</i> Culture	\$16.00	Swabs in transport media; fluids in sterile tubes; tissues in sterile bags; Ship refrigerated or with ice packs	Variable
<i>Salmonella</i> Culture	\$15.75	Feces, intestinal contents, tissue – positive isolates sent to NVSL for typing; Ship refrigerated or with ice packs	M-F / 2-5 days
<i>S. enterica</i> Enteritidis (SE) Culture Negative	\$21.00	Poultry house drag samples or egg; Ship refrigerated or with ice packs – OVERNIGHT SHIPPING IS <b>MANDATORY</b>	M-F / 2-5 days
<i>S. enterica</i> Enteritidis (SE) Culture Positive	\$24.50	Additional Testing on culture positive samples	M-F / 2-5 days
<i>Tritrichomonas foetus</i> Culture (fee per each)			
	1-100 \$6.50	Preputial wash, uterine discharge, fetal abomasal fluid; Ship using InPouch™ TF Bovine; do not refrigerate or freeze; Ship with hot packs in cold weather	M-F / 5-7 days
	101-500 \$6.00		
	501 or more \$5.50		
Special Requests – Contact lab	406-994-4885		

### CLINICAL MICROBIOLOGY – PARASITOLOGY

TEST	FEE	SAMPLE REQUIREMENT AND & SPECIAL INSTRUCTIONS	TEST DAYS / TAT
Arthropod or Parasite Identification:	Routine	Whole parasite, fresh or formalin fixed; Ship in plastic leak-proof container	M-F / 1-7 days
	Non-Routine	Contact lab	Contact Lab
Cryptosporidia Exam	\$8.50	Feces – 1 gram (at least 1 teaspoon)	M-F / 2-3 working days
<i>Dirofilaria immitis</i>	\$9.50	Whole blood EDTA: 1 ml (1cc)	M,W & F / 1-2 days
Heartworm ELISA	\$9.50	Serum or whole blood; canine and feline	M,W & F / 1-2 days
Fecal Flotation	\$10.50	Fresh feces – 3 grams (at least 1 tablespoon); Ship in wide- mouth container or double bag; Ship refrigerated on ice pack	M-F / 1-2 days
<i>Giardia</i>	\$29.50	Fresh feces – 1 gram (at least 1 teaspoon); Ship in wide- mouth container or double bag; Ship refrigerated on ice pack	M-F / 1-3 days
Hemotropic parasite screen		See Clinical Pathology	



# MONTANA VETERINARY DIAGNOSTIC LABORATORY USER'S GUIDE

## CLINICAL PATHOLOGY

ASSAYS ARE RUN DAILY IF RECEIVED BY 3:00 PM

TEST	FEE	DESCRIPTION & SPECIAL INSTRUCTIONS	SAMPLE REQUIREMENTS
<b>BIOCHEMISTRY PANELS</b>			
Small Animal Panel	\$26.25	CK, AST, ALT, ALP, Glu, Chol, TP, Alb, Glob, Ca, PO <sub>4</sub> , BUN, Creat, TBili, Na, K, Cl, CO <sub>2</sub> ; Amylase included for canine only	Serum or heparinized plasma - 0.5 ml
Large Animal Panel	\$26.25	CK, AST, GGT, ALP, Glu, TP, Alb, Glob, Ca, PO <sub>4</sub> , BUN, Creat, TBili, DBili, Na, K, Cl, CO <sub>2</sub> , Mg	Serum or heparinized plasma - 0.5 ml
Small Animal Hepatic Panel	\$21.00	ALT, AST, ALP, GGT, T Bili, D Bili, TP, Alb, Glob, Chol, BUN, Glu	Serum or heparinized plasma - 0.5 ml
Small Animal Renal Panel	\$21.00	BUN, Cre, TP, Alb, Glob, Ca, PO <sub>4</sub> , Na, K, Cl, TCO <sub>2</sub>	Serum or heparinized plasma - 0.5 ml
Canine Endocrine Panel	\$24.25	CA, PO <sub>4</sub> , TP, Alb, ALP, ALT, AST, Chol, Na, K, Cl, TCO <sub>2</sub> , Glu, Total T4	Serum or heparinized plasma - 0.5 ml
Feline Geriatric Panel	\$15.00	ALP, ALT, AST, GGT, BUN, Cre, PO <sub>4</sub> , Total T4	Serum or heparinized plasma - 0.5 ml
Electrolyte Panel	\$10.50	Na, K, Cl, TCO <sub>2</sub>	Serum or heparinized plasma - 0.5 ml
Expanded Electrolyte Panel	\$15.75	Ca, PO <sub>4</sub> , Mg, Na, K, Cl, TCO <sub>2</sub>	Serum or heparinized plasma - 0.5 ml
<b>CLINICAL PROFILES</b>			
Small Animal Clinical Profile	\$35.00	Small Animal Panel + CBC/Differential	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full
Large Animal Clinical Profile	\$35.00	Large Animal Panel + CBC/Differential & Fibrinogen	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full;
Small Animal Health Screen	\$46.25	Small Animal Panel + CBC/Differential + Urinalysis	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full; Urine – 5 ml
Large Animal Health Screen	\$46.25	Large Animal Panel + CBC/Differential + Urinalysis and Fibrinogen	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full; Urine – 5 ml
Small Animal Pre-Anesthetic Profile	\$25.25	BUN, Cre, ALT, ALP, Glu, TP, CBC/Differential	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full
Feline Profile	\$69.50	Small Animal Clinical Profile + Total T4, FIA, FeLV, FIV	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full
Equine Fitness Profile	\$34.00	CK, AST, GGT, TP, Alb, Ca, PO <sub>4</sub> , TBili, Na, K, Cl, CO <sub>2</sub> , Large Animal CBC/Differential	Serum or heparinized plasma - 0.5 ml; Lavender top EDTA vacutainer at least half full
<b>ENDOCRINOLOGY</b>			
Canine Thyroid Panel	\$29.50	Canine Total T4, Canine TSH, Free T4, Total T3	Serum - 0.5 ml
Thyroid Panel, not Canine	\$25.25	Total T4, Free T4, Total T3	Serum - 0.5 ml
Canine Total T4	\$10.50		Serum - 0.5 ml
Total T4	\$10.50		Serum - 0.5 ml
Canine TSH	\$10.50		Serum - 0.5 ml
Free T4	\$10.50		Serum - 0.5 ml



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ASSAYS ARE RUN DAILY IF RECEIVED BY 3:00 PM

TEST	FEE	DESCRIPTION & SPECIAL INSTRUCTIONS	SAMPLE REQUIREMENTS
Total T3	\$10.50		Serum - 0.5 ml
Cortisol: Canine, Feline, Equine	\$16.00	Single sample	Serum - 0.5 ml
ACTH Stimulation - Cortisol	\$31.50	Pre- and Post-samples; collect prior to injection and 1-2 hours after injection	Serum - 0.5 ml each assay
Dexamethasone Suppression	\$47.25	Collect prior to injection and at 4 and 8 hours post injection of dexamethasone	Serum - 0.5 ml each assay
<b>OTHER SERUM CHEMISTRY</b>			
PLI: Canine, Feline	\$23.75		Serum - 0.5 ml
Bile Acids: Canine, Feline, Equine	\$25.25	Single sample.	Serum or heparinized plasma - 0.5 ml
Bile Acids, (pre & post)	\$35.75	Collect a 12 hour fasting sample and a sample 2 hours post prandial	Serum or heparinized plasma - 0.5 ml
Phenobarbital	\$25.25	Do not use serum separator tube	Serum or heparinized plasma - 0.5 ml
Individual Biochemical Tests	Contact Lab for fee	406-994-4885	Serum or heparinized plasma - 0.5 ml
<b>HEMATOLOGY</b>			
CBC/Differential	\$15.75	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, Platelets, WBC Differential, Plasma Protein, Parasite screen, Reticulocyte if indicated	Lavender top EDTA vacutainer at least half full; Slides
Large Animal CBC/Differential	\$15.75	CBC + Fibrinogen	Lavender top EDTA vacutainer at least half full; Slides
Small Animal CBC/no Differential	\$7.00	WBC,RBC, HGB, HCT, MCV, MCH, MCHC, Platelets	Lavender top EDTA vacutainer at least half full; Slides
Large Animal CBC/no Differential	\$7.00	WBC, RBC, Hgb, Hct, MCV, MCH, MCHC, Platelets	Lavender top EDTA vacutainer at least half full; Slides
Reticulocyte Count	\$7.00		Lavender top EDTA vacutainer at least half full; Slides
Feline Anemia Panel	\$38.00	CBC/Differential, FeLV, FIV, FIA	Lavender top EDTA vacutainer at least half full; Slides
Fibrinogen	\$4.25		Lavender top EDTA vacutainer at least half full; Slides
Hemotropic Parasite Screen	\$4.25		Lavender top EDTA vacutainer at least half full; Slides
<b>URINALYSIS</b>			
Urinalysis	\$12.75	Specific Gravity, Dipstick (Glucose, Bilirubin, Ketones, Blood, pH, Urobilinogen), Sulfosalicylic Acid Protein, Sediment Evaluation	Free-catch, catheterization or cystocentesis urine, 5 ml; Transfer to leak-proof container for shipping.
Urinalysis with culture/sensitivity	\$35.75	Specific Gravity, Dipstick (Glucose, Bilirubin, Ketones, Blood, pH, Urobilinogen), Sulfosalicylic Acid Protein, Sediment Evaluation plus culture	Free-catch, catheterization or cystocentesis urine, 5 ml; Transfer to leak-proof container for shipping.



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### CLINICAL PATHOLOGY

ASSAYS ARE RUN DAILY IF RECEIVED BY 3:00 PM

TEST	FEE	DESCRIPTION & SPECIAL INSTRUCTIONS	SAMPLE REQUIREMENTS
		sensitivity	
<b>MISCELLANEOUS TESTS</b>			
Blood Cross Match	\$15.75		Serum - 0.5 ml; Lavender top EDTA vacutainer at least half full
Buffy Coat Exam	\$31.50		Lavender top EDTA vacutainer at least half full
Canine Direct Coombs	\$31.50		Lavender top EDTA vacutainer at least half full; Slides
Coagulation Panel	\$84.00	PT, APTT, Fibrinogen, FDP; Fill Na Citrate vacutainer (light blue top) to mark; Do not over or under fill. Centrifuge tube and transfer plasma to a leak proof plastic tube. Ship frozen plasma overnight on dry ice	Citrate plasma - 1.5 ml
Individual coagulation test	\$21.00	As above	Citrate plasma - 0.5 ml
IgG	\$15.75	Bovine and Equine; 24-hour test	Serum - 0.5 ml
Ocular Nitrate	\$14.75		Ocular Fluid or Serum - 0.25 ml

### CYTOLOGY

ASSAYS ARE RUN DAILY IF RECEIVED BY 3:00 PM

TEST	FEE	DESCRIPTION & SPECIAL INSTRUCTIONS	SAMPLE REQUIREMENTS
Bone marrow cytology	\$42.00	Protect slide from breakage	Slide – air-dried bone marrow smear
CSF Analysis	\$25.25 +	SG, Microprotein, Cytospin, Cytology plus Microprotein Referral Fee Ship with ice pack	CSF - Red top tube
Cytology with Culture	\$35.75 +	Cytology Fee plus Culture Fee	Slide; air-dried imprint or smear; Tissue, fluid or culturette swabs
Fluid Analysis	\$38.00	Total Cell count, TP, SG, Cytology; Ship with ice pack	Heparinized plasma – 0.5 ml <u>or</u> Lavender top EDTA; Red top tube - 0.5 ml
FNA – stained or unstained	\$35.75	Protect slide from breakage; Please indicate "site" and give complete history	Slide - air dried imprint or smear



## MONTANA VETERINARY DIAGNOSTIC LABORATORY USER'S GUIDE

### MILK TESTING

SHIP REFRIGERATED OR ON ICE PACKS – CALL 406-994-4885 FOR SAMPLING INSTRUCTIONS

TEST	FEE	SAMPLE AND VOLUME REQUIRED
Added water	\$ 3.25	Milk - 100 ml
Antibiotic	\$24.25	Milk - 100 ml
Brucella Ring Test Screening	\$ 2.25	Milk - 100 ml
Coliform Count	\$ 5.25	Milk or water - 100 ml
Component – Butterfat profile	\$ 1.25	Milk - 100 ml
Gerber	\$ 3.25	Ice cream fat - 100 ml
Listeria Culture	\$11.75	Environmental swabs
Majonnier – cheese/cottage cheese fat	\$13.25	100 g sample
Pesticide – Organophosphate and Carbamates	\$25.25 minimum	Milk - 100 ml
Pesticide – Chlorinated Hydrocarbons	\$220.50 minimum	Milk - 100 ml
Phosphatase	\$ 6.50	Milk - 100 ml
Somatic Cell Count (Direct)	\$ 5.25	Milk - 100 ml
Somatic Cell Count (Electronic)	\$ 1.25	Milk - 100 ml
Standard Plate Count	\$ 6.00	Milk - 100 ml
Yeast and Mold	\$ 6.00	Milk - 100 ml

Laboratory Certification Review – Contact the lab 406-994-4885

### MOLECULAR DIAGNOSTICS

TURNAROUND TIME 2-5 DAYS

TRITRICHOMONAS SET-UP DAYS MWF - ALL OTHERS M-F

TEST	FEE	DESCRIPTION	SAMPLE REQUIREMENTS & SPECIAL INSTRUCTIONS
Avian Influenza	\$31.50	PCR - AI	Swabs – Contact Laboratory
Bovine Coronavirus	\$31.50	PCR – BCV	Feces
Bovine Viral Diarrhea	Individual sample \$31.50	PCR - BVD	Serum, blood, feces, tissue
Ear Notch – pooled samples	\$52.50	Up to 24 samples pooled at MVDL	Ear notch tissue
Retest positive pool	\$4.00	Antigen capture ELISA; individual retest	None
<i>E. coli</i> - K99	\$31.50	PCR	Feces
Infectious Bovine Rhinotracheitis	\$36.75	PCR – IBR	Serum, blood, tissues
<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>	Individual sample \$31.50	PCR – Johne's disease	Feces – 5 to 10 grams (2 tablespoons minimum) per sample; Ship on ice
Pooled sample	\$36.75	Up to 5 samples pooled by MVDL	
Retest positive pool	\$31.50	Individual retest	
<i>Salmonella enteritidis</i>	Individual sample \$29.50	PCR – SE	None
Retest positive sample	\$33.00	Culture confirmation	
<i>Tritrichomonas foetus</i>	Individual sample \$28.50	PCR	InPouch™ TF Bovine or Transit Tube; Ship dry or with hand warmer; Do not ship on ice; Notify lab for Saturday delivery
Pooled sample	\$52.50	Up to 5 samples pooled at MVDL	
Retest positive pool	\$28.50	Individual re-test	



## MONTANA VETERINARY DIAGNOSTIC LABORATORY USER'S GUIDE

### RABIES

TESTING FOR SAMPLES RECEIVED BEFORE 11:00 AM WILL BE COMPLETED THE DAY THEY ARE RECEIVED.

TEST	FEE	SAMPLE	SHIPPING
Small animal	\$31.50	Entire brain; fresh	Ship on ice packs; Use leak proof outer container with adequate absorbent material
Large animal – includes histopathology	\$58.00	Entire brain; fresh	
Carcass disposal:			
Bats and small rodents	Included in fee		
All other small animals	\$26.25 min.		
Large animal	\$26.25 per 100 wt		

### SEROLOGY - LARGE ANIMAL

SHIP WITH ICE-PACK – DO NOT FREEZE

TEST	FEE	DESCRIPTION	SAMPLE REQUIREMENTS	TEST DAYS / TAT
Anaplasmosis	\$ 8.00	ANA cELISA	Red-top tube or Tiger-top tube; 1 ml serum (preferred) or clotted blood	Th / 2 days
Avian Influenza	1-9 \$ 6.00 10-24 \$ 5.00 25-49 \$ 3.00 50 or more \$ 2.00	AI-AGID	Red-top tube or Tiger-top tube; 1 ml serum (preferred) or clotted blood	M-Th / 2-4 days M-Th / 2-4 days M-Th / 2-4 days M-Th / 5-7 days
Bluetongue Virus	\$ 6.50	AGID	Red-top tube or Tiger-top tube; 1 ml serum (preferred) or clotted blood	Contact Lab 2-4 days
Bluetongue Virus	1-100 \$ 8.75 101-500 \$ 6.50 501 or more \$ 4.00	cELISA	Red-top tube or Tiger-top tube; 1 ml serum (preferred) or clotted blood	W / 2-4 days W / 5-7 days W / 5-7 days
Bovine Leukemia Virus	1-100 \$ 7.00 101-500 \$ 6.00 501 or more \$ 4.00	BLV ELISA	1 ml serum	M / 1-2 days M / 1-2 days M / 1-3 days
Bovine Respiratory Syncytial Virus	\$ 7.00	BRSV SN	1 ml serum	Tu / 6 days
Bovine Viral Diarrhea Type I, II	\$ 13.75	BVD SN	1 ml serum	W / 5 days
Bovine Viral Diarrhea	1-100 \$ 5.25 101-500 \$ 4.25 501 or more \$ 3.75	BVD ELISA	M / 1-2 days	M / 1-2 days M / 1-2 days M / 1-3 days
<i>Brucella abortus</i>	\$ 1.60 \$ 2.65 \$ 2.65 \$ 2.65	Card, BAPA, FP, RAP Rivanol or SPT CF STT	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	Daily / 1 day Daily / 1 day W / 2-4 days MTuW / 2-4 days
<i>Brucella ovis</i>	\$ 8.00	ELISA	1 ml serum (preferred) or clotted blood	M / 1-2 days
Caprine Arthritis Encephalitis	\$ 6.50	CAE - AGID	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	M-Th / 2-4 days
Caprine Arthritis Encephalitis	\$ 6.50	CAE - cELISA	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	M-Th / 2-4 days
Epizootic Hemorrhagic Disease	\$ 10.50	EHD - AGID	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	M-Th / 2-4 days
Equine Infectious Anemia (Same Owner)	1-15 \$ 8.00 16-50 \$ 6.00	EIA - AGID	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	Daily / 2-4 days Daily / 2-4 days





## MONTANA VETERINARY DIAGNOSTIC LABORATORY USER'S GUIDE

### SEROLOGY - LARGE ANIMAL

SHIP WITH ICE-PACK – DO NOT FREEZE

TEST	FEE	DESCRIPTION	SAMPLE REQUIREMENTS	TEST DAYS / TAT
EIA (cont. Same Owner)	51 or more \$ 4.75	EIA – ELISA	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	Daily / 2-4 days
	1-15 \$ 13.00			Daily / 1-2 days
	16-50 \$ 10.50			Daily / 1-2 days
	51 or more \$ 9.50			Daily / 2-4 days
Infectious Bovine Rhinotracheitis	\$ 7.00	IBR - SN	Red-top tube – 1 ml serum	F / 3 days
<i>Leptospira</i> MAT – 5 serovars*	\$ 10.50		Red-top tube – 1 ml serum * <i>L. canicola</i> , <i>L. grippo</i> , <i>L. hardjo</i> , <i>L. ictero</i> , <i>L. pomona</i>	Th / 1-2 days
<i>Leptospira autumnalis</i>	\$ 2.25		Red-top tube – 1 ml serum	Th / 1-2 days
<i>Leptospira bratislava</i>	\$ 2.25		Red-top tube – 1 ml serum	Th / 1-2 days
<i>Mycobacterium avium</i> subsp. <i>Paratuberculosis</i> (Johne's Disease)	1-100 \$ 8.00	MAP – ELISA	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	W / 1-2 days
	101-500 \$ 6.00			W / 5-7 days
	501 or more \$ 4.00			W / 5-7 days
Ovine Progressive Pneumonia	\$ 6.50	OPP - AGID	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	M-Th / 2-4 days
	\$ 6.50	OPP - cELISA		
Parainfluenza 3 (PI-3) - HAI	\$ 5.25	PI-3 - HAI	Red-top tube – 1 ml serum	Th / 2 days
Pseudorabies - gB ELISA	\$ 6.00	gB - ELISA	Red-top tube – 1 ml serum	Th / 2 days
<i>Salmonella pullorum</i> MAT	\$ 4.75		Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood	M-Th / 5-7 days
Vesicular Stomatitis (VS)	\$ 47.25	VS - CF	Red-top or Tiger-top tube; 1 ml serum (preferred) or clotted blood.	Contact Lab
Vesicular Stomatitis - NJ & Ind	\$ 13.75	VS - SN	Red-top tube – 1 ml serum	Tu / 2-3 days
West Nile Virus	July 1 to October 15 \$ 21.00	WNV - ELISA	Red-top tube – 1 ml serum	Contact lab
	Off Season Referral	Contact Lab		406-994-4885 <a href="mailto:livdiagnosticlab@mt.gov">livdiagnosticlab@mt.gov</a>



## MONTANA VETERINARY DIAGNOSTIC LABORATORY USER'S GUIDE

### SEROLOGY - SMALL ANIMAL

TESTS RUN DAILY WITH 1 DAY TAT

SHIP IN RED TOP TUBE WITH ICE-PACK – DO NOT FREEZE

TEST	FEE	DESCRIPTION	SAMPLE REQUIREMENTS
<i>Brucella canis</i>	\$ 23.00	R-SAT Screen test Red top tube - Ship with ice pack, do not freeze	Serum or clotted blood – 1 ml
Feline Infectious Peritonitis	\$ 28.50	FIP ELISA	Serum or heparinized plasma - 0.5 ml
Feline Leukemia	\$ 18.00	FeLV ELISA	Serum or heparinized plasma - 0.5 ml
FelV & Feline Immunodeficiency	\$ 28.50	FelV & FIV ELISA	Serum or heparinized plasma - 0.5 ml

### VIROLOGY

TEST	FEE	SPECIMEN REQUIRED / SHIPPING AND HANDLING	TEST DAYS / TAT
Bovine Virus Diarrhea ELISA	See Serology	See Serology	See Serology
Canine Parvovirus ELISA	\$ 25.25	0.5 ml feces	Daily / 1day
Electron Microscopy (EM)	\$ 31.50	Contact Lab 406-994-4885	Variable
Fluorescent Antibody	\$ 8.50/agent	1 ml tissue or serum	Mon / 1-2 days
Agents:	BCV (Bovine Coronavirus) BRSV (Bovine Respiratory Syncytial Virus) BVD (Bovine Virus Diarrhea)	CDV (Canine Distemper Virus) CPV (Canine Parvovirus) EHV (Equine Herpesvirus)	FHV (Feline Herpesvirus) FIP (Feline Infectious Peritonitis) FPLV (Feline Panleukopenia Virus) IBR (Infectious Bovine Rhinotracheitis)
			Leptospira PI3 (Parainfluenza 3 Virus) PPV (Porcine Parvovirus)
Rotavirus ELISA	\$ 26.25	0.5 ml feces	Fri / 1day
Virus Isolation (livestock only)	\$ 26.25	1 ml tissue, serum, whole blood	Fri / 3 weeks

