



Fee Schedule

The following tests and fees are provided for use **by veterinarians**. Veterinarians may request an account with the MSU VDL by calling the laboratory at 517.353.1683 or through our website, animalhealth.msu.edu. Tests and fees are subject to change. **For complete information about MSU VDL tests** including specimen requirements, sample collection, and submittal procedures, **please visit our test catalog available at animalhealth.msu.edu**. Please contact us with any questions about our services.

If you are an animal owner and wish to submit specimens, please contact your local veterinarian. Fees charged by veterinarians typically reflect the time, expertise, and expense necessary to draw the sample, ship it in an appropriate manner, and provide treatment advice based on interpretation of test results. It is standard for diagnostic fees charged by veterinarians to exceed the laboratory test price.

Disease Symptom Panels

Code	Description	Price
95506	Adult Bovine Enteric Disease Panel	116.55
95505	Adult Bovine Respiratory Disease Panel	173.25
80126	Bovine Abortion Screen, PCR	84.00
80123	Bovine Viral Enteric Screen PCR	78.00
95504	Calf Enteric Disease Panel	103.95
95503	Calf Respiratory Disease Panel	185.85
80984	Canine Respiratory Disease Core Panel	131.00
80985	Canine Respiratory Disease Core Panel Plus	165.00
60993	Equine Diarrhea Panel + PHF	208.00
60994	Equine Diarrhea Panel, Adult	172.00
80989	Equine Neurologic Disease Core Panel	126.00
80131	Equine Respiratory Disease Core Panel	76.00
80987	Equine Respiratory Disease Core Panel Plus	104.00
80988	Equine Respiratory Disease Full Panel	146.00
60989	Equine Tick Core Panel	52.00
95994	Equine Wellness Panel	100.00
80100	Feline Respiratory Disease Core Panel PCR	110.00
80983	Feline Respiratory Disease Core Panel Plus	165.00
60995	Foal Diarrhea Panel	208.00
95501	Neonatal Calf Enteric Disease - Core Panel	94.50
95502	Neonatal Calf Enteric Disease - Full Panel	154.35
95500	Neonatal Calf Respiratory Disease Panel	130.20

Bacteriology

Up to two (2) susceptibilities are included in the price of culture and susceptibility tests. Additional susceptibilities run and reported, or added on to a culture originally ordered with no susceptibility, are \$26 per susceptibility per culture.

Code	Description	Price
95998	Abortion Screen, Serum - Bovine	91.00
95997	Abortion Screen, Serum - Equine	37.00
95069	Additional Isolate PCR	30.00
95071	Additional Isolate Sequencing	60.00
95004	Anaerobic Culture	31.00
95005	Blood Culture & Susceptibility	65.00
95006	Body Fluid Culture	40.00

95007	Body Fluid Culture & Susceptibility	60.00
95051	Brucella Culture	48.00
95009	Campylobacter Culture	35.00
95996	Canine Vaccine Panel + Lepto	79.00
95010	Clostridium perfringens Culture	35.00
95025	PCR CLP	40.00
95012	Ear Culture & Susceptibility	65.00
60077	Equine Salmonella Screening Panel	68.00
95013	Fecal/Intestinal Culture	45.00
95014	Fecal/Intestinal Culture & Susceptibility	60.00
95015	Fungal Culture	36.00
95016	General Culture	40.00
95017	General Culture & Susceptibility	60.00
95018	Isolate Identification	40.00
95019	Isolate Identification & Susceptibility	60.00
95072	Johne's Direct PCR	33.00
95073	Johne's Direct PCR Pooled	38.00
95995	Lepto Urine & Serum if Positive	29.00
95052	Leptospira by PCR (Food Animal)	29.00
95053	Leptospira by PCR (Non-Food Animal)	43.00
95068	Leptospira MAT & PCR (Non-Food Animal)	63.00
95055	Leptospiral Microscopic Agglutination (Non-Food Animal)	27.00
95066	Leptospiral Microscopic Agglutination Expanded, Non-Food Animal	35.00
95040	Leptospiral Microscopic Agglutination (Food Animal)	20.00
95020	Listeria Culture	45.00
95021	Listeria Culture & Susceptibility	60.00
95043	Mastitis Culture	21.00
95044	Mastitis Culture & Susceptibility	27.00
95048	Mycobacterium Culture	88.00
95050	Mycobacterium Culture - Sterile	42.00
95057	Mycobacterium Paratuberculosis Cul. Maximum	45.00
95058	Mycobacterium Paratuberculosis Cul. Pooled Fecal	45.00

Bacteriology		
Code	Description	Price
95059	Mycobacterium Paratuberculosis Cul. Pooled Followup	32.00
95060	Mycobacterium Paratuberculosis Cul. Routine	37.00
95023	Mycoplasma Culture	27.00
95024	Mycoplasma/Ureaplasma Culture	42.00
95026	Reproductive Culture	40.00
95027	Reproductive Culture & Susceptibility	65.00
95028	Respiratory Culture	40.00
95029	Respiratory Culture & Susceptibility	60.00
95033	Salmonella Culture	30.00
95034	Salmonella Culture & Susceptibility	40.00
95064	Salmonella Culture, Enriched	40.00
95042	Salmonella Serotyping	40.00
60090	Streptococcus Equi PCR	41.00
95030	Tissue Culture	40.00
95031	Tissue Culture & Susceptibility	60.00
95032	Urine Culture & Susceptibility	60.00
95035	Wound Culture	40.00
95036	Wound Culture & Susceptibility	60.00

Biopsy & Immunohistochemistry

Some types of tissues (eye; bone; tooth; amputated tail, limb, jaw, toe) will incur charges in addition to the standard biopsy fee due to processing required. Additional fees are also applied to full margin evaluation studies and are dependent on the longest dimension of the submitted sample. Multiple biopsies/tissues taken at the same time from the same animal will incur a small additional fee rather than a full biopsy charge for each. Please see below and/or the test catalog available at animalhealth.msu.edu for more information on additional fees.

Code	Description	Price
40001	Add'l H&E Slide	12.00
40016	Biopsy Consultation	55.00
40003	Biopsy, Standard	75.00
40020	Cut Slide	10.00
40004	Decalcification	27.00
40074	Diagnosis Confirmation	10.00
40066	Electron Microscopy	400.00
40015	Embed Only	10.00
40014	Embed, Cut and Stain H&E	13.00
40061	Feline Intestinal Lymphoma Panel	170.00
40017	H&E Stain	11.00
40006	Hemimandibulectomy/Hemimaxillectomy	70.00
40005	Immunohistochemistry (IHC) Stain	40.00
40100	In-Situ Hybridization	75.00
40090	Liver Biopsy Panel	160.00
40007	Margin Study <2cm	49.00
40009	Margin Study 2 to <4cm	75.00
40010	Margin Study 4 to <6cm	103.00
40011	Margin Study 6 to <8cm	135.00
40070	Margin Study 8 to <10cm	184.00

40071	Margin Study 10 to <12 cm	232.00
40072	Margin Study 12 to <14cm	280.00
40073	Margin Study >14cm	335.00
40062	Mast Cell Tumor (MCT) Prognostic Panel	210.00
40063	Melanoma Panel - Diagnostic	75.00
40064	Melanoma Panel - Prognostic	50.00
40012	Multiple Tissue/Tumor Charge	35.00
40069	Ocular Biopsy	27.00
40018	PCR Prep	5.00
40019	Special Stain	14.00
40075	Special Stain AgNOR (Silver)	60.00
40013	Toe/Hoof Biopsy	40.00

Clinical Pathology

Code	Description	Price
10304	Albumin Fluid	25.00
10301	Albumin Serum	20.00
10431	Albumin/Globulin Ratio Serum (TP, Albumin, Globulin)	34.00
10314	Alkaline Phosphatase Fluid	25.00
10311	Alkaline Phosphatase Serum	20.00
10494	ALT Fluid	25.00
10491	ALT Serum	20.00
10324	Amylase Fluid	25.00
10321	Amylase Serum	20.00
11402	Antinuclear Antibody (ANA)	70.00
11711	Antithrombin III, Canine	47.00
11714	Antithrombin III, Feline	47.00
11704	APTT [Activated Partial Thromboplastin Time]	30.00
10484	AST Fluid	25.00
10481	AST Serum	20.00
11992	Bile Acid 2 Hour Post Prandial Only	39.00
11988	Bile Acid Fasting Only	39.00
11996	Bile Acid Profile (Fasting and 2 Hour)	58.00
11993	Bile Acid Random	39.00
10351	Bilirubin Profile Serum (Total, Direct, Indirect)	34.00
10345	Bilirubin, Total Fluid	25.00
10341	Bilirubin, Total Serum	20.00
11660	Blood Parasite	39.00
10704	Blood Type DEA 1.1 Canine	50.00
10374	BUN Fluid	25.00
10371	BUN Serum	20.00
10384	Calcium (total) Fluid	25.00
10381	Calcium (total) Serum	20.00
11600	CBC with Differential	45.00
11612	CBC with Differential & Hppt Fibrinogen	52.00
10767	CBC, Avian/Reptile/Amphibian/Fish	59.00
11997	Chemistry Profile Liver, Small Animal	63.00
10030	Chemistry Profile, Avian Maxi	47.00

Clinical Pathology		
Code	Description	Price
10010	Chemistry Profile, Bovine	52.00
10000	Chemistry Profile, Equine	58.00
10022	Chemistry Profile, Other Large Animal	55.00
10868	Chemistry Profile, Renal	43.00
10040	Chemistry Profile, Small Animal	58.00
10897	Cholesterol Fluid	25.00
10391	Cholesterol Serum	20.00
10404	CK Fluid	25.00
10401	CK Serum	20.00
11707	Coagulation Profile Large Animal	100.00
11712	Coagulation Profile, Canine	135.00
11700	Coagulation Profile, Feline	100.00
11701	Coagulation-Mini Auto (PT, APTT)	49.00
10641	Coombs Canine	87.00
10414	Creatinine Fluid	25.00
10411	Creatinine Serum	20.00
11271	Cytology Bone Marrow	90.00
11020	Cytology CSF	94.00
11200	Cytology Other Fluid (Includes Cell Count)	78.00
11297	Cytology Other Fluid (No Cell Count)	71.00
11000	Cytology Peritoneal Fluid	78.00
11100	Cytology Pleural Fluid	78.00
11294	Cytology Slide Only	72.00
11080	Cytology Synovial Fluid	85.00
11180	Cytology Wash/BAL (No Cell Count)	71.00
10871	Electrolytes Expanded Fluid	45.00
10050	Electrolytes Expanded Serum	37.00
10150	Electrolytes Fluid	31.00
10130	Electrolytes Serum	28.00
11351	Fecal Occult Blood (Herbivore)	28.00
11706	Fibrin Degradation Products (Plasma)	48.00
11710	Fibrinogen Estimated	20.00
11708	Fibrinogen Quantitative	51.00
10642	Flow Cytometric Canine RBC IgG Assay	83.00
10021	Fractional Clearance	96.00
11415	Fructosamine Serum	44.00
10424	GGT (GGTP) Fluid	25.00
10873	GGT Creatinine Ratio Urine	44.00
10421	GGT Serum	20.00
10444	Glucose Fluid	25.00
10441	Glucose Serum	20.00
11296	ICC - CD3/CD79a Profile	101.00
11516	IgG Equine	60.00
11972	IgG Llama	58.00
10899	Iron Serum	20.00
10454	Magnesium Fluid	25.00
10451	Magnesium (total) Serum	20.00

11240	Nucleated Cell Count Fluid	22.00
11650	Packed Cell Volume & Total Protein	19.00
20034	Phenobarbital post pill	37.00
10464	Phosphorus Fluid	25.00
10461	Phosphorus Serum	20.00
10885	Presurgical Profile Large Animal (CBC/ Hppt FIB, GGT, Creat)	69.00
10870	Presurgical Profile Small Animal (CBC, BUN, ALT)	63.00
11440	Protein Electrophoresis (Fluid)	97.00
11430	Protein Electrophoresis (Serum)	97.00
10865	Protein, Total Fluid	25.00
10501	Protein, Total Serum	20.00
11702	Prothrombin Time (PT)	30.00
11690	Reticulocyte (Automated)	30.00
11692	Reticulocyte (Manual)	30.00
10474	SDH (ID) Fluid	39.00
10471	SDH (ID) Serum	39.00
10869	Total Protein Creatinine Ratio Urine	49.00
10856	Triglyceride Serum	20.00
11973	Triglycerides Fluid	25.00
10514	Uric Acid Fluid	25.00
10511	Uric Acid Serum	20.00
11300	Urinalysis Complete	29.00

Endocrinology

Code	Description	Price
20001	25-Hydroxyvitamin D	51.00
20002	Aldosterone, Baseline	31.00
20009	Aldosterone, Post	27.00
20024	Autoantibody (T3/T4)	21.00
20524	Calcitriol	51.00
20012	Canine Therapeutic Monitoring	50.00
20010	Canine Thyroid Diagnostic Profile	58.00
20218	Cortisol High dose DEX, Post	19.00
20318	Cortisol Low dose DEX, Post	19.00
20420	Cortisol post ACTH	19.00
20422	Cortisol Post DEX (Equine DEX Suppression)	19.00
20118	Cortisol Post TRH	19.00
20017	Cortisol, Baseline	20.00
20020	Endocrinology Interpretation	10.50
20006	Endogenous ACTH	35.00
20016	Feline Thyroid Profile (Premium)	64.00
20015	Feline Thyroid Profile (Standard)	36.00
20013	Feline Thyroid Profile + TSH (Premium)	70.00
20012	Feline Thyroid Profile + TSH (Standard)	50.00
20021	Free T4 by Dialysis	50.00
20007	Gastrin, Baseline	43.00
20025	Gastrin, Post	35.00
20032	Insulin and Glucose, Post	21.00

Endocrinology		
Code	Description	Price
20031	Insulin Autoantibody	21.00
20005	Insulin Like Growth Factor-1	68.00
20026	Ionized Calcium	12.00
20030	Malignancy Profile	84.00
20015	Non-Canine Thyroid Profile (Feline and Other Species)	36.00
20014	OFA Canine Thyroid Profile	76.00
20552	Oral Sugar Test, Equine	64.00
20254	Overnight Dex Suppression, Equine	39.00
20033	Parathyroid Hormone and Ionized Calcium	51.00
20004	Parathyroid Hormone Related Protein	56.00
20011	Premium Canine Thyroid Profile	78.00
20016	Premium Non-canine Thyroid Profile (Feline and Other Species)	64.00
20040	Premium T3 Suppression, Post	51.00
20013	Premium Therapeutic Monitoring	70.00
20037	Progesterone-Same Day	23.00
20008	Serum Insulin and Glucose, fasting	22.00
20038	Testosterone Baseline	23.00
20039	Testosterone post HCG	22.00
20022	Thyroglobulin Autoantibody	26.00
20016	Thyroid Profile Other Species (Premium)	64.00
20015	Thyroid Profile Other Species (Standard)	36.00
20023	Thyroid Stimulating Hormone	27.00
20041	Thyroid T3 Suppression, Post	25.00
20066	TRH Stimulation Test, Equine	69.00
20019	Urinary cortisol/creatinine	26.00
20035	Vitamin D Profile	68.00
Immunodiagnosics/Parasitology		
Code	Description	Price
90051	Anaplasma PCR	42.00
60033	Anaplasma phagocytophilum IFA	27.00
90006	Aspergillus AGID	17.50
90005	Avian Influenza AGID	9.50
90056	Avian Encephalomyelitis ELISA	12.50
60001	Babesia canis IFA Titer	32.50
60046	Babesia gibsoni IFA Titer	33.00
60003	Babesia sp. PCR	42.00
60061	Baermann Test for Lungworm Larvae	20.00
60041	Bartonella sp. PCR	42.00
90007	Blastomyces AGID	17.50
90008	Brucella abortus Plate Agglutination	10.00
60067	Brucella canis IFA Titer	27.00
90010	Brucella suis Plate Agglutination	10.00
60063	C. difficile ELISA	52.00
60062	C. perfringens ELISA	40.00
60991	Canine Blood Donor PCR Panel	80.00
60996	Canine Donor Mini Panel	112.00

60998	Canine Donor Super Panel	126.00
90057	Chicken Anemia ELISA	12.50
60064	Clostridium ELISA Panel	84.00
90020	Coccidioides immitis AGID	17.50
90026	Cryptococcal Antigen Latex Agglutination	22.00
60026	Cryptosporidia	18.00
90041	Eastern Equine Encephalitis PCR	42.00
60027	Ectoparasite Screen	33.00
60010	Ehrlichia & Lyme Panel	69.00
60008	Ehrlichia canis IFA	27.50
60048	Ehrlichia canis PCR	42.00
60071	Epizootic Hemorrhagic Disease Virus PCR	42.00
60070	Equine Herpesvirus-5 PCR	42.00
60035	Fecal Sedimentation	21.00
60997	Feline Donor	79.00
90021	Fungal Serology	60.00
60024	Giardia Antigen Test	33.50
60019	Heartworm Antigen Test	24.00
60078	Hemoplasma PCR, Bovine	28.00
90025	Histoplasma AGID	17.50
60040	IDEXX 4DX	38.00
90052	Infectious Bronchitis Virus ELISA	10.50
90054	Infectious Bursal Disease ELISA	11.00
90027	Johnes AGID	16.00
60075	Lawsonia PCR	42.00
60022	Leishmania IFA	32.00
60014	Lyme IFA	27.00
60059	Lyme PCR	42.00
60015	Lyme Western Blot	60.00
90060	M. gallisepticum ELISA	6.50
90022	M. gallisepticum HI	12.50
90029	M. gallisepticum Plate Agglutination	6.50
90023	M. meleagridis HI	12.50
90030	M. meleagridis Plate Agglutination	6.50
90061	M. synoviae ELISA	6.50
90024	M. synoviae HI	12.50
90033	M. synoviae Plate Agglutination	6.50
60034	Microfilaria Differentiation	26.50
60044	Mycoplasma/haemoplasma PCR (Canine)	42.00
60030	Mycoplasma/haemoplasma PCR (Feline)	50.00
60073	Mycoplasma Haemolamae PCR (Llama/ Alpaca)	42.00
60020	Neorickettsia risticii IFA	31.50
60038	Neorickettsia risticii PCR	42.00
60017	Neospora caninum cELISA	10.50
60016	Neospora caninum IFA	27.00
60043	Neospora caninum PCR	42.00
90053	Newcastle Disease Virus ELISA-Chicken	10.50
90015	Newcastle Disease Virus ELISA-Turkey	10.50
60029	Parasite Identification	38.00

Immunodiagnosics/Parasitology		
Code	Description	Price
90044	Porcine Circovirus Type 1 PCR	42.00
90043	Porcine Circovirus Type 2 PCR	42.00
60011	Qualitative Fecal	18.50
60012	Quantitative Fecal	22.50
90055	Reovirus ELISA	10.50
60021	Rickettsia rickettsii IFA	27.00
60060	Rickettsia rickettsii PCR	42.00
90001	Salmonella pullorum Tube Agglutination	12.00
90002	Salmonella typhimurium Tube Agglutination	12.00
60004	Sarcocystis neurona IFA	53.00
60002	Sarcocystis neurona PCR	42.00
60006	Sarcocystis neurona Western Blot-CSF	70.00
60007	Sarcocystis neurona Western Blot-Serum	70.00
60013	Tick Borne Disease Antibody Screen	103.00
60066	Tick Identification	12.50
60065	Tick PCR	68.00
60037	Toxoplasma gondii IFA IgG & IgM	51.00
60031	Toxoplasma gondii IgG IFA	27.00
60032	Toxoplasma gondii IgM IFA	27.00
60042	Toxoplasma gondii PCR	42.00
60072	Tritrichomonas foetus PCR	42.00
90042	West Nile Virus PCR	42.00
90036	West Nile Virus VN Serum	32.00
Molecular Pathology		
Code	Description	Price
80215	B-cell Clonality PCR	159.00
80326	Centronuclear myopathy PCR	55.00
80354	CKCSID PCR	55.00
80243	c-Kit PCR Canine Combo (Exon 8 & 11)	130.00
80223	c-Kit PCR Exon 8 Canine	77.00
80213	c-Kit PCR Exon 11 Canine	77.00
80233	c-Kit PCR Exon 8 Feline	95.00
80343	Dermatofibrosis and Renal Tumor PCR	55.00
80327	Dystrophic epidermolysis bullosa PCR	55.00
80355	Epidermolytic Hyperkeratosis PCR	55.00
80356	Episodic Falling Syndrome PCR	55.00
80345	Exercise-Induced Collapse PCR	55.00
80349	F7 deficiency PCR	55.00
80328	Feline Pyruvate Kinase Deficiency PCR	55.00
80350	Hereditary cataracts PCR	55.00
80329	Hypertrophic cardiomyopathy Maine Coon PCR	55.00
80330	Hypertrophic cardiomyopathy Ragdoll PCR	55.00
80331	Hyperuricosuria PCR	55.00
80332	Ichthyosis PCR	55.00
80344	Junctional Epidermolysis Bullosa PCR	55.00
80333	Late onset ataxia PCR	55.00

80357	Malignant Hyperthermia PCR	55.00
80318	MDR-1 Mutation PCR	55.00
80358	Musladin-Lueke Syndrome PCR	55.00
80360	Narcolepsy in Doberman Pincher PCR	55.00
80359	Narcolepsy in Labrador Retrievers PCR	55.00
80348	Neonatal Encephalopathy with Seizures PCR	55.00
80334	Neuronal ceroid lipofuscinosis PCR	55.00
80346	Obesity PCR	55.00
80141	Papillomavirus PCR, E1 and L1 Genes	82.00
80347	Persistent Mullerian Duct Syndrome PCR	55.00
80335	Pituitary Dwarfism PCR	55.00
80336	Polycystic Kidney Disease PCR	55.00
80337	Primary Lens Luxation PCR	55.00
40092	Prognostic Molecular Mammary Tumor Panel	400.00
80338	Progressive Retinal Atrophy Golden Retriever PCR	55.00
80339	Progressive Retinal Atrophy PRCD PCR	55.00
80351	PTPN11 mutation PCR	55.00
80361	Shar Pei Autoinflammatory Disease PCR	55.00
80342	Skeletal Dysplasia PCR	55.00
80321	SOD-1A Mutation PCR	55.00
80320	SOD-1B Mutation PCR	55.00
80341	Spinal muscular atrophy PCR	55.00
80340	Spinocerebellar Ataxia PCR	55.00
80214	T-cell Clonality PCR	100.00
80366	Tibetan Genetic Panel PCR	230.00
80363	Tibetan Neuronal Ceroid Lipofuscinosis PCR	55.00
80364	Tibetan Progressive retinal atrophy 3 PCR	55.00
80365	Tibetan Progressive retinal atrophy RCD4 PCR	55.00
80362	Transmissible Venereal Tumor PCR	55.00
40091	Tyrosine Kinase and Tyrosine Kinase Receptor Panel	350.00
80314	Von Willebrand's Disease Type 1-A PCR	55.00
80315	Von Willebrand's Disease Type 1-B PCR	55.00
80319	Von Willebrand's Disease Type 2 PCR	55.00
80316	Von Willebrand's Disease Type 3-A PCR	55.00
80317	Von Willebrand's Disease Type 3-B PCR	55.00
Necropsy & Cremation Services		
Contact us at 517.353.1683 for more details on available cremation services.		
Code	Description	Price
99200	After Hours Necropsy Handling Fee	240.00
30027	Amputated Limb, Gross/Microscopic Exam	180.00
99003	Cremains Return Handling Fee	45.00
99015	Cremation - Companion/Other	95.00
99215	Cremation - Equine	290.00
99315	Cremation - Food Animal	75.00
30025	Field Necropsy - Bovine	200.00

Necropsy & Cremation Services		
Code	Description	Price
30024	Field Necropsy - Equine	210.00
30026	Field Necropsy - Other	210.00
30001	Full Necropsy Companion Animal	315.00
30002	Full Necropsy Equine	380.00
30003	Full Necropsy Farm Animal	200.00
30004	Full Necropsy Other Species	210.00
30007	Gross Necropsy Farm Animal	100.00
30008	Gross Necropsy Other Species	105.00
30021	Necropsy Abortion - Bovine	285.00
30020	Necropsy Abortion - Equine	420.00
30022	Necropsy Abortion - Other	335.00
30010	Spinal Cord Removal	190.00
Nutrition		
Code	Description	Price
50218	Ash, Bone	65.00
50244	Beta Hydroxybutyrate	20.00
70065	Calcifediol, Kidney	100.00
70053	Copper	31.00
50702	Electrolyte & Primary Trace Nutrient Panel	80.00
95993	Equine Wellness Panel Add-on	95.00
50247	Iodine Inorganic, Serum	31.00
50246	Iodine Total, Serum	31.00
50249	Iodine, Feed	45.00
50251	Iodine, Milk	31.00
50248	Iodine, Tissue	55.00
50245	Metabolic Profile	46.00
50255	Minerals, Fixed Tissue	60.00
50254	Minerals, Tissue	55.00
50998	NEFA Plus BHB	41.00
50243	Non-Esterified Fatty Acids	20.00
50701	Primary Trace Nutrient Panel	50.00
50700	Selenium & Copper Panel	36.00
50201	Selenium, Feed	45.00
50203	Selenium, Serum	31.00
50204	Selenium, Whole Blood	31.00
50300	Vitamin A, Feed Analysis	100.00
50209	Vitamin A, Other	144.00
50208	Vitamin A, Serum	40.00
50207	Vitamin A, Tissue	50.00
50308	Vitamin, Complete Fat Soluble, Feed Analysis	300.00
50304	Vitamin D, Feed Analysis	150.00
50256	Vitamin E, CSF	31.00
50301	Vitamin E, Feed Analysis	100.00
50213	Vitamin E, Other	144.00
50212	Vitamin E, Serum	40.00
50211	Vitamin E, Tissue	50.00
50306	Vitamin Profile, Serum Analysis	100.00

Toxicology		
Code	Description	Price
70066	Anticoagulants, Blood	105.00
70015	Anticoagulants, Tissue/Bait	120.00
70070	Arsenic Urine	33.00
70071	Bone Mineral Panel	90.00
70220	Bromethalin	100.00
70001	Bromide	46.00
70065	Calcifediol, Kidney	100.00
70021	Convulsants	105.00
70023	Ethylene Glycol	70.00
70024	Fat, Bone Marrow	115.00
70006	GCMS General Organic Compounds Screen	180.00
70055	GCMS, Quantification	180.00
70029	Glomerular Filtration Rate/Iohexol Clearance	120.00
70057	Keppra (levetiracetam)	45.00
70019	Lead, Blood	36.00
70072	Macro Elements - Feed/Other	50.00
50255	Minerals, Fixed Tissue	60.00
50254	Minerals, Tissue	55.00
70059	Minerals - Water	70.00
70039	Nitrates	21.00
70038	Nitrates Quantification	45.00
70020	Pesticides, Chlorinated	250.00
70042	pH Determination	15.00
70063	Phosphine	80.00
70045	Polychlorinated Biphenyls	250.00
70069	Sodium Brain	55.00
70052	Strychnine	75.00
70200	Toxic Elements - DBS	105.00
70074	Toxic Elements - Feed/Other	50.00
70025	Toxic Elements - Fluid	70.00
70051	Toxic Elements - Soil/Sludge	70.00
70200	Toxic Elements in Whole Blood	63.00
70073	Trace Elements - Feed/Other	50.00
70060	Zinc	31.00
70056	Zonisamide	45.00
Virology		
Code	Description	Price
80302	AIV H5 PCR	16.00
80303	AIV H7 PCR	16.00
80107	Avian Influenza Virus PCR	41.00
80367	Bovine beta-mannosidosis PRC	55.00
80040	Bovine Coronavirus PCR	45.00
80201	Bovine Leukemia Virus ELISA	8.00
80129	Bovine Parainfluenza-3 Virus PCR	45.00
80124	Bovine Respiratory Screen PCR	160.00
80205	Bovine Respiratory Syncytial Virus PCR	45.00

Virology		
80208	Bovine Rotavirus PCR	45.00
80007	Bovine Viral Diarrhea PCR	45.00
80991	Bovine Viral Diarrhea PCR - Ear	3.90
80009	Bovine Viral Diarrhea Type 1 VN	17.00
80008	Bovine Viral Diarrhea Type 2 VN	17.00
80041	Canine Adenovirus PCR	45.00
80047	Canine Adenovirus-2 VN	17.00
80323	Canine Circovirus PCR	45.00
80105	Canine Enteric Coronavirus PCR	45.00
80049	Canine Distemper Virus PCR	45.00
80050	Canine Distemper Virus VN	17.00
80015	Canine Herpesvirus PCR	45.00
80138	Canine Influenza Virus PCR	45.00
80039	Canine Parainfluenza-2 Virus PCR	45.00
80054	Canine Parvovirus HI	20.00
80104	Canine Parvovirus PCR	45.00
80101	Canine Vaccine Antibody Panel	52.00
80130	Canine Viral Resp. Screen PCR	110.00
80135	Caprine Arthritis Encephalitis Virus ELISA	10.50
80044	Caprine Arthritis Encephalitis Virus PCR	45.00
80010	Chlamydia PCR	45.00
80300	Classical Swine Fever PCR	50.00
80324	Duck Hepatitis Virus Type-1	45.00
80018	Equine Arteritis Virus PCR	45.00
80020	Equine Coronavirus PCR	45.00
80056	Equine Herpesvirus-1 PCR	45.00
80059	Equine Herpesvirus-1 VN	17.00
80256	Equine Herpesvirus-4 PCR	45.00
80112	Equine Infectious Anemia ELISA	11.00
80062	Equine Influenza Virus PCR	45.00
80022	Equine Rotavirus PCR	45.00
80301	Exotic Newcastle Disease Virus PCR	43.00
80064	Feline Calicivirus PCR	45.00
80066	Feline Calicivirus VN	17.00
80067	Feline Coronavirus PCR	45.00
80028	Feline Herpesvirus PCR	45.00
80031	Feline Herpesvirus VN	17.00
80137	Feline Leukemia Virus/Feline Immunodeficiency Virus ELISA	40.00
80027	Feline Leukemia Virus PCR	45.00
80035	Feline Panleukopenia HI	20.00
80033	Feline Panleukopenia PCR	45.00
80102	Feline Vaccine Screen	52.00
80024	Ferret Aleutian Disease PCR	45.00
80140	Ferret Coronavirus PCR Genotype 1 and Genotype 2	72.00
80036	Ferret Rotavirus A PCR	45.00
80071	Infectious Bovine Rhinotracheitis PCR	45.00

80073	Infectious Bovine Rhinotracheitis VN	17.00
80076	Infectious Laryngotracheitis PCR	45.00
80114	Malignant Catarrhal Fever PCR	45.00
80078	Newcastle Disease Virus PCR	43.00
80325	Porcine Deltacoronavirus	45.00
80322	Porcine Epidemic Diarrhea Virus	45.00
80090	Porcine Respiratory & Reproductive Syndrome PCR	45.00
80087	Porcine Rotavirus PCR	45.00
80096	Swine Influenza Virus PCR	45.00
80110	Transmissible Gastroenteritis PCR	45.00

We make submitting samples convenient and efficient.

The MSU VDL offers a wide variety of shipping options to meet the needs of every veterinary practitioner. We receive deliveries from the U.S. Postal Service as well as commercial carriers including UPS and Federal Express.

We offer complete shipping solutions that include either **prepaid UPS overnight** shipping or **U.S. Mail prepaid** delivery.

We can also provide copies of this fee schedule and submittal forms preprinted with your clinic information, free of charge.

Shipping Solutions & Other Supplies

Code	Description	Price
99604	Dried Blood Spot Kit	23.00
99028	Endo Normals	Free
99041	FedEx Billable Stamp - Stamp ONLY	16.00
99033	Fee Schedule	Free
99031	Form - Clin Path	Free
99025	Form - CTR	Free
99030	Form - Endo	Free
99035	Form - General	Free
99125	Form - Necropsy/Biopsy	Free
99021	Mailer - 12 Box UPS Prepaid	112.00
99121	Mailer - 12 Box U.S. Mail Prepaid	83.00
99022	Mailer - 24 Box UPS Prepaid	235.00
99122	Mailer - 24 Box U.S. Mail Prepaid	163.00
99221	Mailer - 3 Insulated w/UPS Return Delivery	73.00
99020	Mailer - 6 Box UPS Prepaid	64.00
99120	Mailer - 6 Box U.S. Mail Prepaid	45.00
99222	Mailer - 6 Insulated w/UPS Return Delivery	143.00
99603	Mailer - Bacti Enteric	27.00
99114	Mailer - Biopsy Large w/UPS	28.00
99124	Mailer - Biopsy Small w/UPS	17.00
99004	Mailer - Biopsy Small w/U.S. Mail	9.50
99220	Mailer - Insulated w/UPS Return Delivery	25.00
99224	UPS Billable Stamp - Stamp ONLY	16.00
99042	UPS Saturday Delivery - Stamp ONLY	32.00
99012	Tubes - Set of 5 Royal Blue	22.00



MSU VDL Policies

Fees are subject to change without notice. Please refer to our website (animalhealth.msu.edu) for a complete list of services and current prices.

All current charges are due within 28 days of the print date on the statement unless otherwise noted. Accounts not paid within the stated time period are subject to penalty. These penalties include: denial or cancellation of future services; placement with a collection firm which includes an additional processing fee. Please be assured that we will make every effort to work with clients to resolve billing payment issues. Please contact our Business Office at 517.353.3045.

Additional charges may be necessary for analysis of non-standard samples. Under these conditions, analyses will be initiated only after consultation with the client and with the client's consent.

A handling fee will be assessed for shipping specimens to referral laboratories (in addition to the test cost) or for returning specimens to clients.

All samples and specimens submitted become the property of the MSU VDL and will not be returned unless specific arrangements are made and approved in advance by MSU VDL management.

Samples, specimens, and related test and diagnostic results may be used for teaching and research purposes. Test and diagnostic results will be shared with appropriate state or federal agencies as required by law.

In the interest of privacy and continuity of care, results will be shared only with the client of record (the clinic or person paying the bill).

The MSU VDL reserves the right to subcontract any work required to complete testing of any and all submissions. Any subcontracted work will be indicated as such on the laboratory report.

Special projects/consultations can be arranged with faculty members for a prearranged fee. Contact the lab at 517.353.1683.

To encourage collection and submission of an adequate number of samples for diagnosis, selected tests are available at reduced rates when samples are submitted as a group from one herd or flock. Price breaks occur between 10 and 11 animals, 25 and 26 animals, and more than 100 animals. Visit our website for additional information or contact the lab directly.

The sender is responsible for postage and/or special delivery charges on packages sent to the MSU VDL. Adherence to mailing regulations is the sender's responsibility.

Please remember that our current policies, test catalog, fees, and more information is available online at animalhealth.msu.edu:

- Specimen requirements, collection protocol, submittal requirements and current prices for every test performed in our test catalog
- Access to results
- Online payment option
- Information about laboratory sections and services offered
- Laboratory contact information and hours
- News and announcements
- Current and past issues of our client newsletter, *Diagnostic News*, with diagnostic- and disease-related information and articles for practitioners as well as MSU VDL business tips for clinic staff