

ANIMAL DISEASE RESEARCH AND DIAGNOSTIC LABORATORY VETERINARY & BIOMEDICAL SCIENCES DEPARTMENT

Animal Disease Research Building, 1155 North Campus Drive, Box 2175

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BASE FEE SCHEDULE: March 1, 2018 (charges are subject to change without notice)

Charges will be due in full 30 days after they have been incurred. Charges are considered delinquent and will be charged 15% annually if not paid 45 days after the due date (75 days after the charge is incurred). Delinquent accounts up to \$100 will be collected through in-house collection procedures, and those over \$100 will be turned over to a collection agency. Services to ALL delinquent accounts are to be discontinued until the account is current.

Case Generation Fee:	\$10.00
(All cases except Clinical Pathology and Food Safety)	

Standard Diagnostic Evaluation Charge:*	
(South Dakota clients)	\$50.00
(Out-of-state clients)	\$60.00

* Fees include up to 25 tests (excluding molecular diagnostics and toxicology), but can include: routine histopathology, 2 special histology stains, 5 aerobic cultures, mammalian virus isolation, fluorescent antibody testing, up to 2 IHC antigens on up to 2 blocks each, 1 CBC, 1 chemistry panel, and parasitology as deemed appropriate by the case coordinator on tissues from 1-3 animals or 1-10 birds/fish with the same disease syndrome from the same animal unit and from which test specimens can be pooled/mixed and reported as a composite.

Gross Necropsy Only (without Standard Diagnostic Evaluation)	\$40.00/farm animal or 1-10 birds/fish \$30.00/cat or dog
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NOTE: The ADRDL does not accept animals from the general public for routine disposal.

Whole body necropsy room and carcass disposal fee per case with Standard Diagnostic Evaluation	\$17.00/case
Research animals (necropsy room and render fee)	\$17.00/animal; \$1.00 per bird/fish
SDSU livestock disposal only (necropsy room and render fee)	\$17.00/animal

Incineration charges (without other services):	\$50.00 minimum plus \$1.00/lb. plus case generation fee
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Testing fees are subject to a 5% University Fee and state sales taxes where applicable. Cases requiring detailed examinations and culturing, such as insurance cases, will be charged the full sum of individual procedures. Testing fees for company research and development are subject to a 50% R & D surcharge. An additional disposal fee may be applied when necessary.

The ADRDL is an accredited AAVLD laboratory and a member of the USDA National Animal Health Laboratory Network. Completing and submitting any submission form or any other means of requesting services creates a contractual agreement for services requested and the specimens submitted become the property of the ADRDL. In addition, at no additional expense to our clients, specimens submitted to the ADRDL may be subjected to additional testing upon the order of state or federal animal health officials, or whenever a Foreign Animal Disease is suspected, or in support of surveillance for other animal diseases. **VERSION 1.8**

CLINICAL PATHOLOGY AND PARASITOLOGY:*NOTE: There is no case generation fee for these services.*

	Fee/Sample
Hematology:	
Complete Blood Count	\$21.00
Blood Count	\$10.00
PCV / Plasma Protein / Fibrinogen	\$6.00
Hemoparasite Examination	\$14.00
Avian Complete Blood Count	\$22.00

Clinical Chemistry:*NOTE: Please refer to User Guide or Submission Form for tests available and profile definitions.*

Individual Tests	\$8.00
Ruminant Diagnostic Profile	\$33.00
Porcine Diagnostic Profile	\$33.00
Equine Diagnostic Profile	\$33.00
Small Animal Diagnostic Profile	\$33.00
Large Animal Pre-surgical Profile	\$18.00
Renal Profile (BUN, CRE, P, K)	\$20.00
Small Animal Pre-surgical Profile	\$18.00
Small Animal Pre-surgical Profile + Blood Count	\$23.00
Small Animal NSAIDs Profile	\$16.00
Electrolyte Profile	\$16.00
Dairy Management Profile (TP, NEFA, BHA, CA, P, MG)	\$25.00
Avian Profile	\$25.00
Pre-test Processing of Lipemic Samples	\$4.00

Special Chemistry:

Beta Hydroxybutyrate (BHA)	\$9.00
C-Reactive Protein (CRP)	\$9.00
Lipase (Semi-quantitative)	\$16.00
Milk Ketone Assay (Acetest)	\$6.00
Non-Esterified Fatty Acids (NEFA)	\$9.00
Progesterone (Small Animal Pregnancy)	\$20.00
Thyroid Hormone (Total T4) (Canine, Feline, Equine)	\$20.00

Urine/Fluids/Cytology:

Bone Marrow Cytology	\$40.00
Cytology (up to 3 slides examined)	\$21.00
Each additional slide	\$4.00 each
Fecal Occult Blood	\$10.00
Fluid Analysis	\$12.00
Urinalysis	\$15.00

Immunology:		
	Occult Heartworm ELISA (Canine, Feline)	\$15.00
	Bovine IgG Assay (FPT)	\$15.00
	Fecal ELISA - Coronavirus (Bovine)	\$13.00
	Fecal ELISA - Giardia Antigen	\$35.00
	Fecal ELISA - Canine Parvovirus	\$20.00
	Fecal ELISA - Rotavirus (Bovine)	\$13.00
	Coomb's Assay (Canine)	\$20.00
Parasitology:		
	Fecal Flotation (Semi-quantitative)	\$12.00
	Strongyle Egg Count	\$16.50
	Fecal <i>Cryptosporidium</i> (Acid-fast)	\$9.00
	Lungworm Larval Sedimentation	\$16.50
	Parasite Identification (Ectoparasite)	\$14.00
	To species or subspecies level	Minimum \$25.00
	Fluke Egg Flotation	\$16.50
	<i>Tritrichomonas</i> Incubation / Culture	\$10.00
	<i>Tritrichomonas</i> Culture Pouch	\$6.00

FOOD SAFETY:

NOTE: There is no case generation for these services.

MEAT INSPECTION PROGRAM TEST OFFERINGS:

<i>E. coli</i> O157:H7 PCR Screen (Raw ground beef, N60 beef trim)	\$31.50
<i>E. coli</i> O157:H7 Culture (To be performed if O157 PCR screen is positive)	\$80.00
Non-O157 "Big 6" STEC PCR Screen (Raw ground beef, N60 beef trim)	\$31.50
"Big 6" STEC O Group PCR (To be performed if Big 6 Screen is positive)	\$31.50
"Big 6" STEC Culture (To be performed if O Group PCR is positive)	\$80.00
Kidney Inhibition Swab (Kidney tissue)	\$5.50
<i>Listeria monocytogenes</i> (RTE meats, environmental and food contact sponges)	\$26.50
<i>Listeria</i> sp. (Environmental and food contact sponges)	\$26.50
<i>Salmonella</i> (Raw ground beef, N60 beef trim, sponges)	\$26.50
<i>Salmonella</i> (RTE meats--jerky, sausage, beef sticks, etc.)	\$26.50

OTHER FOOD SAFETY TEST OFFERINGS:

Aerobic Plate Count (Food)	\$16.00
<i>Campylobacter</i> Direct Quantitative Testing (Carcass swabs)	\$42.00
Generic <i>E. coli</i> Quantitation (Carcass swabs, food)	\$10.50
Yeast Mold Count (Food)	\$16.00

HISTOPATHOLOGY:

Biopsy	Per mass examined; includes up to 2 additional stains (SS or IHC)	\$29.00
Necropsy-in-a-jar		\$40.00
Special Histology Stains		\$10.00

Histology Processing (no interpretation)		
	Research Slide (includes embedding and 1 routine stain)	\$11.00 each
	Tissue Embedding (block only, no slide)	\$6.00 each
	Unstained Slide	\$6.00 each
Immunohistochemistry		
	Routine (includes interpretation) per slide (includes control)	\$21.00/antigen
	IHC (no interpretation) per slide (includes control)	\$15.00/antigen
	IHC-BVD Ear Notch (Notches 1, 2, 3, 4, and 5)	\$22.50
	Additional Ear Notch (Notches 6, 7, 8, etc.)	\$4.50/each
	IHC Prion CWD	\$31.00/slide

MOLECULAR DIAGNOSTICS (PCR):		
	Aquaculture Confirmatory PCR from Culture	
	Large Mouth Bass Virus	\$40.00
	Viral Hemorrhagic Septicemia (VHS)	\$40.00
	<i>Flavobacterium psychrophilum</i>	\$25.00
	Avian Influenza Virus Matrix Screening	\$40.00
	H5	\$17.50
	H7	\$17.50
	Pooling (if necessary)	\$5.00
	BLV	\$40.00
	BRSV/Coronavirus Multiplex	\$29.00
	BVD - serum or blood or milk	\$25.00
	BVD Ear Notch Pool (up to 20 specimens)	\$25.00
	BVD Sequencing (5'UTR)	\$149.00 - \$199.00
	BVD/BHV-1 Multiplex	\$29.00
	Circovirus Type 2	\$30.00
	Circovirus Type 2 Quantitation	additional \$5.00
	Circovirus Type 2 Sequencing (ORF 2)	\$98.00
	<i>Clostridium perfringens</i> genotyping	\$30.00
	<i>E. coli</i> genotyping	\$40.00
	<i>Lawsonia intracellularis</i>	\$27.00
	<i>Leptospira</i> sp.	\$25.00
	<i>Mycobacterium paratuberculosis</i> (Johne's)	
	Individual samples	\$25.00
	Pooled (up to 5 specimens)	\$35.00
	<i>Mycoplasma bovis</i>	\$27.00
	<i>Mycoplasma hyopneumoniae</i>	\$25.00
	Porcine Epidemic Diarrhea Virus (PEDV)	\$30.00
	PRRSV Multiplex -- serum, blood swab (whole blood in saline), oral fluids	\$25.00
	Semen or Tissue	\$35.00
	PRRSV (Multiplex) Quantitation	additional \$5.00
	PRRSV ORF5 Sequencing (Predicted RFLP Cut Pattern / Dendogram / Homology Table / Nucleotide and AA Alignments)	\$149.00 - \$199.00
	Imported PRRSV ORF5 sequence for Dendogram / Alignment for comparative analysis	\$20.00/sequence

	Swine Influenza Virus (SIV) Matrix Screening	\$25.00
	SIV pH1N1 (Novel N1)	\$25.00
	SIV Differential PCR (H1, H3, N1, N2)	\$70.00
	SIV Sequencing	
	H gene	\$205.00
	M gene	\$121.00
	N gene	\$247.00
	Transmissible Gastroenteritis Virus (TGEV)	\$30.00
	<i>Tritrichomonas foetus</i>	
	Fluid or Tissue	\$25.00

BACTERIOLOGY:

Aquatic Bacterial Screen	\$2.50
Bacterial Kidney Disease FA	\$3.00
Culture	
Aerobic (up to 5 tissues)	\$25.00
Additional tissues	\$5.00
Anaerobic (up to 2 tissues)	\$15.00
Additional tissues	\$7.50 each
Johne's	\$20.00
<i>Brucella</i> (up to 5 tissues)	\$25.00
Additional tissues	\$3.00 each
Bovine ocular swab	\$10.00
<i>Brachyspira</i> Culture	\$10.00 each
<i>Campylobacter</i> Culture	\$10.00
<i>Dermatophilus congolensis</i> Culture	\$10.00
<i>Mycoplasma</i>	\$25.00
Milk Culture	\$7.00
Each Susceptibility	\$20.00
Milk Bulk Tank	\$28.00
<i>Mycoplasma</i> Milk Screen	\$12.00
Nasal Swab	\$10.00
Susceptibility	\$20.00
<i>Clostridium difficile</i> TOX A/B II Test	\$25.00
Darkfield	\$5.00
Environmental Samples	\$25.00 - \$100.00
Special Bacterial Culturing	\$25.00 - \$70.00
Special Microbial Stain & Direct Exam	\$7.00
K99 <i>E. coli</i> IFA	\$10.00
Transfer to Slant (plus shipping)	\$10.00/each slant
Clostridial FA	\$10.00
<i>Leptospira</i> FA	\$20.00
<i>Listeria</i> Enrichment	\$15.00
Serogrouping	\$10.00
Lancefield Strep Grouping	\$10.00
API Strip ID method	\$12.00

Reculture requests by client		Repeat charge
Salmonella Enrichment		\$5.00
MYCOLOGY:		
	Culture / Identification	\$15.50
VIROLOGY:		
Mammalian Virus Isolation		
	Ruminant Virus Isolation	\$25.00
	Swine Virus Isolation	\$25.00
	Canine Virus Isolation	\$25.00
	Feline Virus Isolation	\$25.00
	Equine Virus Isolation	\$25.00
	SIV Virus Isolation	\$35.00
	PRRSV Virus Isolation	\$35.00
	Other Mammalian Virus Isolation	\$25.00
Virus Isolate Send Out: Preparation (1 ml) and shipping (per case)		\$85/first isolate;
		\$10 each additional
Fish Virus Isolation		
	Fish Virus Isolation: Lot of 60 fish (per cell line, per temperature, per lot)	\$210.00
	Fish Virus Isolation: Per pool up to 5 fish (per cell line, per temperature, per pool)	\$32.00
	Fish Tissue Collection: Per lot of 60 fish	\$180.00
	Fish Tissue Collection: Per pool, up to 5 fish	\$22.00
Fluorescent Antibody Assay		
BOVINE		
	Bovine Respiratory Syncytial Virus (BRSV)	\$12.00
	Bovine Viral Diarrhea Virus (BVDV)	\$12.00
	Infectious Bovine Rhinotracheitis Virus (IBRV)	\$12.00
	Bovine Coronavirus	\$12.00
	Bovine Parainfluenza Virus 3 (PI3)	\$12.00
	Bovine Rotavirus	\$12.00
PORCINE		
	Porcine Parvovirus (PPV)	\$12.00
	Porcine Circovirus 2 (PCV2)	\$12.00
	Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)	\$12.00
	Porcine Rotavirus	\$12.00
	Swine Influenza Virus (SIV)	\$12.00
	Transmissible Gastroenteritis Coronavirus (TGE)	\$12.00
CANINE		
	Canine Distemper Virus (CDV)	\$12.00
	Canine Herpesvirus	\$12.00
	Canine Parvovirus	\$12.00
FELINE		
	Feline Herpesvirus	\$12.00
	Feline Infectious Peritonitis	\$12.00

EQUINE		
	Equine Herpesvirus	\$12.00
Indirect Fluorescent Antibody		
	<i>Toxoplasma</i>	\$8.00
Rabies (includes Standard Diagnostic Evaluation for other diseases)		
	South Dakota Clients	\$50.00
	Out-of-State Clients	\$60.00

MYCOTOXINS AND TOXICOLOGY:

All mycotoxin and toxicology requests are sent to referral laboratories.

SEROLOGY:

There will be one (1) case generation fee for serology services per accession.

Please separate from the clot and submit 0.5 ml clear, not hemolyzed, serum per test requested. All samples **MUST BE RECEIVED BY 10:00 AM** or they cannot be set up until the following run day for that test. For diseases not listed, samples may be forwarded to other laboratories for a shipping fee. Samples to be forwarded for additional testing are sent Monday through Wednesday only, to avoid weekend delays.

BOVINE:		Each sample
<i>Anaplasma</i>		
	cELISA	\$4.00
Bluetongue Virus (BTV)		
	AGID	\$5.00
	ELISA	\$5.00
Bovine Leukemia Virus (BLV)		
	AGID	\$5.00
	ELISA	\$5.00
Bovine Pregnancy ELISA		\$4.00
Bovine Respiratory Syncytial Virus (BRSV) SN		\$5.00
Bovine Viral Diarrhea Virus (BVDV) SN		
	Type I	\$5.00
	Type II	\$5.00
Bovine Viral Diarrhea Virus (BVDV) Antigen Capture ELISA (for serum and ear notches)		\$5.00
<i>Brucella</i>		
	BAPA	\$1.50
	Card	\$1.50
	Plate	\$1.50
	Rivanol	\$1.50
	Tube	\$1.50
Epizootic Hemorrhagic Disease Virus (EHDV)		\$5.00
Infectious Bovine Rhinotracheitis Virus (IBRV) SN		\$5.00

Johne's Disease ELISA		\$5.00
<i>Leptospira</i> (6 serovars) MA		\$8.00
<i>Neospora</i> ELISA		\$6.00
Q Fever ELISA		\$9.00
Vesicular Stomatitis SN for Export		
	Indiana	\$5.00
	New Jersey	\$5.00
CANINE:		
<i>Brucella canis</i> IFA		\$25.00
CAPRINE:		
<i>Brucella</i> Plate		\$1.50
Caprine Arthritis / Encephalitis Virus (CAEV) AGID		\$5.00
Johne's Disease ELISA		\$5.00
<i>Neospora</i> ELISA		\$6.00
Ovine Progressive Pneumonia/Caprine Arthritis Encephalitis (OPP/CAE) cELISA		\$4.00
Q Fever ELISA		\$9.00
DEER / ELK:		
CWD ELISA by BioRad		\$27.00
EHD		\$5.00
EQUINE:		
Equine Infectious Anemia Virus (EIAV)		
	AGID	\$8.50
	ELISA	\$7.00
FELINE:		
Feline Infectious Peritonitis Virus (FIPV) ELISA		\$20.00
IDEXX FIV Ab/FLV Ag		\$20.00
OVINE:		
Bluetongue Virus (BTV)		
	AGID	\$5.00
	ELISA	\$5.00
<i>Brucella ovis</i> ELISA		\$4.00
Johne's Disease ELISA		\$5.00
Ovine Progressive Pneumonia Virus (OPPV) AGID		\$5.00
Ovine Progressive Pneumonia/Caprine Arthritis Encephalitis (OPP/CAE) cELISA		\$4.00
Q Fever ELISA		\$9.00
PORCINE:		
<i>Brucella</i> Card		\$1.50
<i>Leptospira</i> (6 serovars) MA		\$8.00
<i>Mycoplasma</i> ELISA		\$5.00
<i>Mycoplasma</i> ELISA DAKO		\$20.00

Porcine Epidemic Diarrhea IFA	\$5.50
Porcine Respiratory and Reproductive Syndrome Virus (PRRSV):	
ELISA	\$5.00
IFA	\$5.00
FFN	\$8.00
Pseudorabies Virus (PRV)	
gB ELISA	\$3.50
gB ELISA (NAHLN)	\$3.50
G1 ELISA	\$3.50
G1 ELISA (NAHLN)	\$3.50
Swine Influenza Virus (SIV) (H1N1 and H3N2) HI	\$10.00
or \$5.00 / serotype: H1, H3	
POULTRY:	
Avian Influenzavirus AGID	\$4.00
<i>Bordetella avium</i> /"turkey coryza" ELISA	\$2.50
Hemorrhagic Enteritis Virus (HEV) ELISA	\$3.50
Newcastle Disease (NDV) ELISA	\$2.50
<i>Ornithobacterium rhinotracheale</i> (ORT) ELISA	\$2.50
MISCELLANEOUS:	
Cardboard / Styrofoam Diagnostic Shipping Boxes	\$14.00 / box
Biopsy / Clinical Pathology Mailer Box	\$6.00 / box
Blood Mailer Boxes (48 tubes)	\$7.00 / box
Environmental Swab Kit (<i>Listeria</i> spp.)	\$2.00 / kit
Generic <i>E. coli</i> Carcass Swab Sampling Kit (enough for 3 samplings)	\$25.00/kit
Serum / Tissue Processing (special issues)	\$0.50 - \$1.00
	per sample
Custom Analytical Services	\$25.00 to
	\$200.00+ / hr
RUSH/STAT Results	\$10.00 / sample