

# Fee Schedule

Effective August 1, 2018



The laboratory retains the right to refuse samples that may pose a risk or danger to lab personnel. No human or non-human primate samples will be accepted. Submitted specimens including carcasses, tissues and agents isolated from specimens become property of the NDSU VDL. No samples, carcasses or body parts will be returned to the submitter. The submitter is responsible for adherence to sample shipping regulations.

We reserve the right to subcontract any work required to complete testing on submissions. Any work that is subcontracted will be indicated as such on the report.

For cases involving insurance claims or litigation, contact the laboratory for instructions. Such cases may be charged a \$250.00 base price to cover cost of chain of custody handling.

We are open 8 a.m. to 5 p.m., Monday through Friday. A 24-hour depository and limited emergency weekend service is available (an additional fee will apply).

Fees listed in this schedule are subject to change. Please visit [www.vdl.ndsu.edu](http://www.vdl.ndsu.edu) for a current list of tests, fees, acceptable samples and test set up schedules. There is no out-of-state surcharge.

**Our goal is to provide accurate, timely assistance in animal disease diagnosis. We welcome all comments and suggestions regarding the service we provide.**

■ **Mail Address (Postal Service):**  
 Veterinary Diagnostic Laboratory  
 NDSU Dept 7691 | PO Box 6050  
 Fargo ND 58108-6050

■ **Delivery Address (UPS, Fed Ex, drop off):**  
 Veterinary Diagnostic Laboratory  
 4035 19th Ave N  
 Fargo ND 58102

■ **Phone:** 701-231-7527 or 701-231-8307  
 ■ **FAX:** 701-231-7514

[www.vdl.ndsu.edu](http://www.vdl.ndsu.edu) | email [ndsu.vetlab@ndsu.edu](mailto:ndsu.vetlab@ndsu.edu)

## GENERAL INVESTIGATION

General Investigation submission fee (food animals) .....	\$60.00
General Investigation submission fee (equine/companion animals) .....	\$120.00
Accession fee* .....	\$10.00

\* An accession fee will be applied to all cases except EIAs.

The General Investigation submission fee covers a routine laboratory study which may include the following tests: histopathology with special stains, bacteriology (2 aerobic cultures, 1 anaerobic), PCR (1 individual or 1 multiplex test), virology (2 FAs, 1 EM, 1 VI), cryptosporidia, and fecal flotation. Additional animals on the same submission (from a common disease outbreak) will be charged at ½ the price.

Additional fees will apply for antibiotic sensitivities, immunohistochemistry, clinical pathology, toxicology, serology, and additional PCR, virology, bacteriology, and parasitology tests.

A necropsy/disposal fee will be added to all cases involving whole animals. Note: There is an additional \$100.00 disposal surcharge on horses.

\$6.00 charge for all shipping boxes returned to your clinic.

\$25.00 shipping/handling charge for all samples sent to a referral laboratory.

\$22.00 fee for preparing isolates for referral lab.

**LIVE ANIMALS ARE NOT ACCEPTED.**

## ANIMAL NECROPSY (includes carcass disposal)

Necropsy charges are added onto the General Investigation fee.

Necropsy .....	\$40.00
Gross necropsy only (no other testing)	
• food animal .....	\$85.00
• companion animal .....	\$145.00
Spinal cord removal .....	\$75.00
Horse disposal surcharge .....	\$100.00
Horse cremation with ashes returned .....	\$750.00

## CLINICAL PATHOLOGY

Cytology (same day service) .....	\$28.00
Slides from each additional site .....	\$6.00
Fluid analysis (includes TP and cytology) .....	\$30.00
Synovial fluid analysis (includes TP, cytology, estimated cell count, gross appearance) .....	\$40.00
CBC with differential .....	\$20.00

Differential only .....	\$10.00
Blood film review by pathologist .....	\$20.00
Fibrinogen .....	\$10.00
General health blood chemistry profile .....	\$45.00
<i>(See <a href="http://www.vdl.ndsu.edu">www.vdl.ndsu.edu</a> for list of chemistry tests available)</i>	
Individual blood chemistry tests .....	\$7.00
Ectoparasite exam .....	\$15.00
T4 ELISA .....	\$25.00
Urinalysis .....	\$15.00
<i>(Includes secondary tests for protein, glucose and bilirubin if positive on urine stick.)</i>	

## FECAL ANALYSIS

Neonatal diarrhea study (food animals) .....	\$60.00
Each additional sample .....	\$50.00
<i>(Includes culture, PCR, EM, Crypto.)</i>	
Each additional sample on same case .....	\$40.00
Electron microscopy .....	\$25.00
Giardia ELISA .....	\$20.00
Cryptosporidia (two slides) .....	\$10.00
Fecal flotation (semi quantitative egg count) .....	\$13.00
Fecal direct smear .....	\$10.00
Fecal fluke exam .....	\$15.00
McMaster egg count (need at least 2 gm feces) .....	\$17.00

## HISTOPATHOLOGY

Cytology (same day service) .....	\$28.00
Slides from each additional site .....	\$6.00
Biopsy sample for histopathology only .....	\$34.00
Each additional biopsy from the same animal .....	\$6.00
Multiple tissues for histopathology only .....	\$45.00
Immunohistochemistry per antigen .....	\$32.00
<i>Call or see website for infectious agents and cell markers available.</i>	
BVD Ear Notch Immunohistochemistry	
Samples 1-9 .....	\$50.00
Each additional sample .....	\$5.00

## BACTERIOLOGY

Aerobic culture .....	\$22.00
Anaerobic culture .....	\$35.00
Antibiotic sensitivity per isolate .....	\$20.00
Blood culture (submitted in media) .....	\$22.00
Campylobacter culture .....	\$20.00
Clostridia FA test .....	\$15.00
Clostridium perfringens culture .....	\$20.00
Fecal culture Lg. animal (R/O Salmonella, E. coli) .....	\$22.00

Bacteriology continues on other side

See [www.vdl.ndsu.edu](http://www.vdl.ndsu.edu) for current test information.

Fees listed in this schedule are subject to change.

Fecal culture Sm. animal (R/O Salmonella, Campylobacter, Yersinia).....	\$30.00
Fungal culture.....	\$24.00
Listeria culture .....	\$15.00
Milk culture – mastitis .....	\$10.00
Milk culture – bulk tank.....	\$25.00
Mycoplasma culture.....	\$10.00
Quantitative bacterial culture (mink feed, etc.) .....	\$40.00
Special stain slides/ direct examination .....	\$5.00
Referral lab isolate prep.....	\$22.00

## MOLECULAR DIAGNOSTICS

See [www.vdl.ndsu.edu](http://www.vdl.ndsu.edu) for a complete list of PCR tests, acceptable samples and set up schedule.

**Note:** If you are submitting large numbers of samples (>100), please call in advance to obtain possible price breaks on some tests and to assure adequate reagents are available.

Anaplasma marginale.....	\$35.00
Avian Influenzavirus.....	\$50.00
Bacillus anthracis.....	\$60.00
Blastomyces dermatitidis.....	\$35.00
Bluetongue virus.....	\$40.00
Bluetongue virus and EHD virus .....	\$50.00
Borrelia burgdorferi (Lyme Disease).....	\$40.00
Bovine abortion multiplex (IBR, BVD, Lepto) .....	\$50.00
Bovine coronavirus (respiratory or enteric).....	\$40.00
Bovine herpesvirus-1 (IBR) .....	\$35.00
Bovine leukosis virus .....	\$25.00
Each additional sample .....	\$15.00
Bovine respiratory multiplex (BVH-1, BVDV, BRSV, BCoV) .....	\$45.00
Bovine respiratory syncytial virus (BRSV).....	\$40.00
Bovine rotavirus.....	\$40.00
Bovine viral diarrhea virus (BVDV) .....	\$30.00
Each additional sample .....	\$20.00
BVD ear notch, EDTA, or serum (pool of 15).....	\$35.00
Retest of positive individual samples .....	\$20.00
Calf Diarrhea Panel (BCoV, BRV, Crypto) .....	\$45.00
Campylobacter sp. ....	\$35.00
Canine adenovirus 1, 2.....	\$40.00
Canine distemper virus.....	\$40.00
Canine herpesvirus .....	\$35.00
Canine influenza virus (Influenza A).....	\$40.00
Canine parvovirus.....	\$40.00
Canine respiratory coronavirus.....	\$40.00
Chlamydia/Chlamydia sp. ....	\$35.00
Classical swine fever virus.....	\$50.00
Clostridium hemolyticum .....	\$35.00

Clostridium perfringens genotyping.....	\$35.00
Cryptosporidia sp. ....	\$35.00
Dermatophytes (multiple species) .....	\$35.00
E. coli virulence factors (bovine and porcine) .....	\$35.00
(no charge if part of scour case)	
Ehrlichia & Anaplasma sp. (see website) .....	\$35.00
Epizootic hemorrhagic disease (EHD) virus.....	\$40.00
Equine herpesvirus 1 & 4 .....	\$40.00
Equine influenza virus (Influenza A).....	\$40.00
Equine viral arteritis virus .....	\$40.00
Feline calicivirus .....	\$40.00
Feline coronavirus (associated with FIP).....	\$40.00
Feline herpesvirus .....	\$35.00
Feline panleukopenia virus.....	\$40.00
Feline respiratory multiplex (FHV,FCV) .....	\$50.00
Foot and mouth disease .....	\$50.00
Francisella tularensis (Tularemia) .....	\$55.00
Influenzavirus Type A (canine and equine).....	\$40.00
Johne's (MAP) fecal.....	\$40.00
Each additional sample .....	\$25.00
Johne's (MAP) fecal (pool of 5) .....	\$43.00
Retest of positive individual samples .....	\$25.00
Lawsonia intracellularis .....	\$40.00
Leptospira sp. ....	\$35.00
Malignant Catarrhal Fever .....	\$35.00
Mycoplasma bovis .....	\$35.00
Neospora caninum .....	\$35.00
Newcastle disease virus .....	\$50.00
Ovine progressive pneumonia virus .....	\$35.00
Porcine delta coronavirus .....	\$45.00
Porcine Epidemic Diarrhea Virus.....	\$45.00
Porcine Rotavirus A.....	\$45.00
Rabies virus (used for special circumstances only) .....	\$50.00
Senecavirus.....	\$45.00
Swine Enteric Panel (PEDV, PRV-A, TGEV) .....	\$55.00
Swine Enteric Panel with PDCoV .....	\$75.00
Swine influenzavirus.....	\$45.00
Toxoplasma gondii .....	\$35.00
Transmissible gastroenteritis virus.....	\$40.00
Tritrichomonas foetus (bovine) .....	\$25.00
Each additional sample .....	\$15.00
Tritrichomonas foetus (bovine) pool of 5.....	\$35.00
Retest of positive individual samples .....	\$15.00
Tritrichomonas foetus (feline).....	\$40.00
Ureaplasma diversum.....	\$35.00
West Nile virus .....	\$45.00
Yersinia pestis.....	\$55.00

## RABIES TESTING

Human exposure and non-human exposure cases

Rabies (includes FA test and Histopathology)..... \$40.00  
Also includes brain removal and carcass disposal.

## SEROLOGY

See [www.vdl.ndsu.edu](http://www.vdl.ndsu.edu) for test set up schedule.

**Note:** If you are submitting large numbers of samples (>100), please call the Lab in advance to obtain possible price breaks on some tests and to assure adequate reagents are available. An accession fee will be applied to all cases except EIAs.

Bovine Abortion screen .....	\$40.00
(Lepto, Neospora, IBR, BVD Types 1 & 2)	
Anaplasmosis (c-ELISA).....	\$7.00
Bluetongue (c-ELISA).....	\$7.00
Bovine Leukosis (ELISA).....	\$6.00
Brucellosis (SPT, BAPA) .....	\$2.50
BRSV (SN) .....	\$7.00
BVD Type 1 (SN) .....	\$7.00
BVD Type 2 (SN) .....	\$7.00
Canine 4DX (ELISA).....	\$25.00
Canine Brucellosis.....	\$25.00
EIA (AGID).....	\$15.00
EIA (ELISA) .....	\$7.00
Equine West Nile virus (IgM Capture ELISA) .....	\$25.00
Feline 3 way ELISA (FLV, FIV, HW) .....	\$30.00
IBR (SN) .....	\$7.00
Johne's disease (ELISA) .....	\$5.00
Leptospirosis 6 serovars (MAT)* .....	\$18.00
Leptospirosis 7 serovars (canine)* .....	\$21.00
Neospora (c-ELISA) .....	\$7.00
Ovine brucellosis (ELISA).....	\$6.00
Small Ruminant Lentivirus (CAE/OPP) c-ELISA ....	\$7.00
West Nile Virus (IgM Capture ELISA).....	\$30.00

\* Lepto screen: L. canicola, pomona, grippo., ictero., hardjo, bratislava.

L. autumnalis added on for canine samples.

## TOXICOLOGY

Dicumarol (F, L) .....	\$45.00
Feed microscopy (for price, call 701-231-8307)	
Lead (WB) .....	\$30.00
Mineral screen – ICP-OES (serum).....	\$35.00
(cobalt, copper, iron, manganese, molybdenum, selenium, zinc)	

Mineral/heavy metal screen – ICP-OES (liver)..... \$45.00  
(antimony, aluminum, arsenic, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, thallium, vanadium, zinc)

Mycotoxin screen by LC/MS/MS (F) .....
 \$150.00 || (Aflatoxin B1, B2, G1 and G2, T-2 toxin,     Ochratoxin A, Sterigmatocystin, Fumonisin B1, B2,     HT-2 toxin, DON (Vomitoxin), and Zearalenone) |  |

DON (Vomitoxin) Panel by GC/MS (F)..... \$50.00  
(DON (Vomitoxin), 15-A-DON, 3-ADON, Nivalenol, and Zearalenone)

Nitrate (F, S, VH)..... \$15.00

Pesticide screen GC/MS screen (SC) .....
 \$125.00 |

Phytoestrogen screen (F) .....
 \$80.00 || (Daidzein, Genistein, Formononetin,     Coumestrol, Biochanin A) |  |

Sodium monofluoroacetate (1080) (K, L, SC) ....
 \$200.00 |

Strychnine (SC) .....
 \$35.00 |

Water – blue green algae ID.....
 \$20.00 |

Water screen .....
 \$25.00 |

Water screen – expanded..... \$45.00  
(total organic carbon, ammonia, potassium nitrate)

F = Feed, L = Liver, S = Serum, SC = Stomach

Contents, VH = Vitreous Humor, W = Water, WB = Heparinized or EDTA Whole Blood

Research and forensic charges must be negotiated.

Rush charge per feed sample is \$20.00.

## VIROLOGY

Virus isolation .....
 \$30.00 |

Fluorescent antibody (per antigen).....
 \$18.00 |

## SUPPLIES

A \$6.00 shipping fee will be charged for supplies mailed and for returning shipping containers.

Bact. transport swabs .....
 \$2.00 |

BAP plates.....
 \$1.00 |

Biopsy postage paid mailers (9 mailers).....
 \$65.00 |

Falcon polystyrene 5ml serum tubes .....
 \$0.20 |

Formalin filled jars (large) .....
 \$1.00 |

Formalin filled jars (small/medium).....
 \$0.50 |

Milk tubes .....
 \$0.50 |

Parafilm.....
 \$5.00 |

Virus transport swabs with media.....
 \$2.00 |

UPS prepaid Ground Label  
(for <50 pound box).....
 \$7.00 |

UPS prepaid Next Day Air Label  
(<10 pound box) .....
 \$15.00 |