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 submittter 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 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.

See www.vdl.ndsu.edu for current test information.

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

|
| Delivery Address | Veterinary Diagnostic Laboratory | NDSU Van Es Hall | 1523 Centennial Blvd | Fargo ND 58102 |

| Contact us for our new address after 8/1/17 |
| Phone: | (701) 231-7527 or (701) 231-8307 |
| FAX: | (701) 231-7514 |

www.vdl.ndsu.edu | email ndsu.vetlab@ndsu.edu |

Fees listed in this schedule are subject to change.

**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 ELISAs.

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.

$20.00 shipping/handling charge for all samples sent to a referral laboratory.

**ANIMAL NECROPSY**

- **Necropsy charges are added onto the General Investigation fee.**
- **Necropsy** ........................................... $40.00
- **Fetus necropsy** ........................................... $20.00
- **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** ........ $600.00

**CLINICAL PATHOLOGY**

- **Cytology** (same day service) ......................... $26.00
- **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
- **Differential/reticulocyte count** ...................... $15.00

**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
- **Fecal culture Sm. animal** (R/O Salmonella, Campylobacter, Yersinia) ........ $30.00

**FE CAL ANALYSIS**

- **Neonatal diarrhea study** (food animals) .......... $50.00
- **(Includes culture, sensitivity, PCR, EM, Crypto.)**

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) ......................... $26.00
- **Biopsy sample for histopathology only** .......... $30.00
- **Each additional biopsy from the same animal** ... $6.00
- **Multiple tissues for histopathology only** ....... $40.00
- **Immunohistochemistry per antigen** .............. $30.00
- **Call or see website for infectious agents and cell markers available.**
- **BVD Ear Notch Immunohistochemistry Samples 1-9** .......... $50.00
- **Each additional sample** ............................... $5.00

**费 Schedule**

Effective February 15, 2017

| Blood film review by pathologist | $20.00 |
| Electrolytes (sodium, potassium, chloride) | $15.00 |
| Fibrinogen | $10.00 |
| General health blood chemistry profile w/electrolytes | $45.00 |
| Individual blood chemistry tests | $7.00 |
| Ectoparasite exam | $15.00 |
| T4 ELISA | $25.00 |
| Urinalysis | $15.00 |
| (Includes secondary tests for protein, glucose and bilirubin if positive on urine stick.)

NDSU is an equal opportunity educator, employer and provider. Visit ndsu.edu/equity or call 701-231-7708.
**MOLECULAR DIAGNOSTICS**

See 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
Axian Influenzavirus ........................................ $50.00
Bacillus anthracis .......................................... $50.00
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 herpesvirus-4 ........................................ $35.00
Bovine leukaosis virus ........................................ $35.00
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
BVD ear notch, EDTA, or serum (pool of 15) $35.00
Calf Diarrhea Panel (BCoV, BRV, Crypto) ....... $45.00
Campylobacter sp. .................................................. $40.00
Canine adenovirus 1, 2, $4 ............................. $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/Chlamydophila sp. ......................... $35.00
Classical swine fever virus ......................... $50.00
Clostridium botulinum .......................... $35.00
Clostridium perfringens genotyping .......... $35.00
Coxiella burnetii (Q-Fever) ......................... $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........................ $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) .... $35.00
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) ...... $45.00
Influenzavirus Type A ......................... $40.00
Johns (MAM) fecal ........................................ $40.00
Each additional sample ............... $25.00
Johnne's (MAP) fecal (pool of 5) .......... $43.00
Retest of positive individual samples .......... $25.00
Lassa virus ......................................................... $40.00
Leptospira sp ........................................ $35.00
Malignant Catarrhal Fever ............... $35.00
Moraxella specification ...................... $45.00
Each additional isolate from same case .......... $25.00
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) .......... $50.00
Swine Enteric Panel (PEDV, PRV-A, TGEV) $55.00
Swine Enteric Panel with PDCoV........ $75.00
Swine influenza virus ....................... $45.00
Toxoplasma gondii ........................................ $7.00
Transmissible gastroenteritis virus ........ $40.00
Trichinella spiralis ......................... $25.00
Each additional sample ............... $15.00
Trichinella spiralis (bovine) pool of 5 ........ $45.00
Retest of positive individual samples .......... $15.00
Trichinella spiralis (bovine) feces ................ $45.00
Urea-Asparagine-Enzyme-linked Immunosorbent Assay (ELISA) $35.00
West Nile virus ........................................ $45.00
Yersinia pestis ........................................ $45.00
Mineral/heavy metals screen – ICP-OES (liver) .......... $40.00
(minimony, aluminum, arsenic, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, selenium, thallium, vanadium, zinc)
Mycobacterium sp. by GC/MS (SC) ........ $125.00
Mycobacterium sp. by GC/MS (SC) ........ $125.00
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
(Lepo, 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 ......................... $10.00
EIA (AGID) ........................................ $6.00
EIA (ELISA) ............................................... $6.00
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 Leptovirus (CAE/OPP) c-ELISA .... $7.00
West Nile Virus (IgM Capture ELISA) .......... $30.00
L. autumnalis added only on canine samples.
** Note:** 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.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bact. transport swabs</td>
<td>$1.25</td>
<td></td>
</tr>
<tr>
<td>BAP plates</td>
<td>$1.00</td>
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<tr>
<td>Biopsy postage paid mails (9 mailers)</td>
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<tr>
<td>Falcon polystyrene 5ml serum tubes</td>
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</tr>
<tr>
<td>Formalin filled jars (large)</td>
<td>$1.00</td>
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</tr>
<tr>
<td>Formalin filled jars (small/medium)</td>
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</tr>
<tr>
<td>Milk tubes</td>
<td>$0.50</td>
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<tr>
<td>Parasites</td>
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<tr>
<td>Pesticide screen GC/MS screen (SC)</td>
<td>$125.00</td>
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<tr>
<td>Phytoestrogen screen (F)</td>
<td>$80.00</td>
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<tr>
<td>Water – blue green algae ID</td>
<td>$20.00</td>
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<tr>
<td>Water screen (W)</td>
<td>$25.00</td>
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<tr>
<td>F = Feed, L = Liver, S = Serum, SC = StomachContents, VH = Vitreous Humor, W = Water, WB = Heparinized or EDTA Whole Blood</td>
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<tr>
<td>Research and toxicologic charges must be negotiated.</td>
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