**CVM Veterinary Medical Diagnostic Laboratory**

Submission Form

1-800-UMC-VMDL 800-862-8635 Fax 573-882-1411

**Courier Address**
VMDL, 901 E. Campus Loop, Columbia, MO 65211

**US Mail Address**
VMDL, PO Box 6023, Columbia, MO 65205

**Owner**

**Date Sample Taken**

**Date Sent**

<table>
<thead>
<tr>
<th>Acct No</th>
<th>Phone</th>
<th>Email</th>
<th>Date Sample Taken</th>
<th>Date Sent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Veternarian**

**Address**

City

State

Zip

**Clinic**

**Address**

City

State

Zip

**Animal Tag/ID**

**Species**

**Breed**

**Sex**

**Age**

**Weight**

*Presenting complaint/Systems of interest: Choose as many as apply.*

<table>
<thead>
<tr>
<th>Normal</th>
<th>Fever</th>
<th>Neurological</th>
<th>Hepatic</th>
<th>GI/Diarrhea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abortion/Repro Failure</td>
<td>Endocrine</td>
<td>Sudden Death</td>
<td>Urinary/urogenital</td>
<td>Musculoskeletal/limeness</td>
</tr>
<tr>
<td>Edema</td>
<td>Ocular</td>
<td>Neoplasia/Mass</td>
<td>Chronic weight loss</td>
<td>Cardiac</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Anorexia</td>
<td>Dermatological</td>
<td>Production/performance</td>
<td>Hematological/Hemorrhage</td>
</tr>
<tr>
<td>Erosion/Vesicular</td>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Clinical/Differential Diagnosis:**

**Additional History:**

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**Necropsy Exam**

**Necropsy+Histopathology**

**Necropsy+Histol with Laboratory Tests**

**Abortion Panel**

**Toxicology (additional fees)**

**Biopsy**

**FA Diarrhea panel-feces**

**FA Diarrhea panel-tissues**

**FA Respiratory panel**

**Mail-in Necropsy with Lab Tests**

*There may be an additional fee for MULTISYSTEMIC (enteric AND respiratory) exam of mail-in and necropsy specimens.*

**Duration**

**Margins inked/Tagged?**

**Treatment**

When started/how long?

**Response to therapy? **

<table>
<thead>
<tr>
<th>yes</th>
<th>no</th>
<th>partially</th>
</tr>
</thead>
</table>

If tumor, **Size**

**Duration**

**Rate of growth**

**fast**

**slow**

**Recurrence**

<table>
<thead>
<tr>
<th>yes</th>
<th>no</th>
</tr>
</thead>
</table>

**Circle lesions mark “X” for biopsy locations**

**Sample type**

<table>
<thead>
<tr>
<th>Tissue, Fresh</th>
<th>Blood</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tissue, Fixed</td>
<td>Serum</td>
</tr>
<tr>
<td>Feces</td>
<td>Urine</td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

**Cytologic Exam—Label slides with animal ID & site.**

**Pertinent clinical information:**

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**Cytology - List site(s)**

**Circle**

Collection Method: Washes Aspirates Imprints Brushes Scrapings Other

<table>
<thead>
<tr>
<th>Multiple Lymph Node Cytology (2-4 Lymph Nodes)</th>
<th>List site(s)</th>
</tr>
</thead>
</table>

---

**Fluid Analysis, including Cytology—Send Fluid in an EDTA tube along with slides**

**CSF Analysis—Call for instructions**

**Circle**

fluid type: Pleural Peritoneal Synovial Pericardial

<table>
<thead>
<tr>
<th>Bronchovascular Lavage</th>
<th>Send Fluid in an EDTA tube along with slides</th>
</tr>
</thead>
</table>

---

**Bacteriology**

**Feces**

**Swab from**

<table>
<thead>
<tr>
<th>Tissue from</th>
<th>Urine: <em>Cystocentesis</em> <em>Free Catch</em> Other</th>
</tr>
</thead>
</table>

**Aerobic bacterial culture with up to 3 susceptibilities (fixed price and MUST select before tests run)**

**Aerobic culture**

**Anaerobic culture**

**Antimicrobial susceptibility**

<table>
<thead>
<tr>
<th>Enteric screen (bovine, canine, porcine)</th>
<th>Fungal culture</th>
<th>Abortion screen</th>
</tr>
</thead>
</table>

**Blood culture**

<table>
<thead>
<tr>
<th><em>Salmonella</em></th>
<th>John’s culture</th>
<th>John’s direct PCR fecal</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Tritrichomonas foetus</em></td>
<td><em>PCR</em></td>
<td><em>culture</em></td>
</tr>
</tbody>
</table>

**Other**

Treated with antibiotics recently? Y/N

Antibiotic used, when, and last dose

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**Toxicology**

**Feed**

<table>
<thead>
<tr>
<th>Blood</th>
<th>Serum</th>
<th>Fresh Tissue</th>
<th>Other</th>
</tr>
</thead>
</table>

Consult Toxicologist

**Aflatoxin in milk and liver**

<table>
<thead>
<tr>
<th>Ammonia</th>
<th>Calcium serum</th>
<th>Cholinerase activity whole blood, brain</th>
<th>Copper</th>
<th>Ergot Alkaloids in feedstuff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ergot/Flake Alkaloids in feedstuff</td>
<td>Lead</td>
<td>Magnesium serum and ocular fluid</td>
<td>Mycotoxin Screen</td>
<td>Nitrate –feed –ocular</td>
</tr>
<tr>
<td>Rumens pH (included with necropsy)</td>
<td>Vitamin E</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rabies testing:**

<table>
<thead>
<tr>
<th>Brain only</th>
<th>Entire body with brain removal &amp; carcass disposal</th>
<th>Chronic Wasting Disease (CWD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab use only</td>
<td>Cold Pac</td>
<td>Frozen</td>
</tr>
</tbody>
</table>

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**Clients submitting specimens are considered to have agreed to VMDL testing procedures, policies and fees**

(visit at: [http://www.vmdl.missouri.edu/](http://www.vmdl.missouri.edu)).

Specimens become the property of the VMDL.

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**Submission Form**

<table>
<thead>
<tr>
<th>Tube/Name/No.</th>
<th>Species</th>
<th>Breed</th>
<th>Sex</th>
<th>Age</th>
<th>Tube/Name/No.</th>
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<th>Breed</th>
<th>Sex</th>
<th>Age</th>
</tr>
</thead>
</table>

**PCR Panels**
- **Bovine Enteric**: Bovine Coronavirus, Rotavirus and BVD 1 & 2 □
- **Bovine Pink Eye**: IBR, Mycoplasma bovis, Mycoplasma bovoculi □
- **Bovine Respiratory**: BVD 1 & II, BRSV, PI3, IBR □
- **Canine Respiratory**: Canine Distemper Virus, Influenza A, Canine Adenovirus □
- **Equine Enteric**: Salmonella, Lawsonia, Potomac Horse Fever (ETDA blood and feces) □
- **Porcine Enteric 1 (young pigs)**: Delta Coronavirus, PEDV, Rotavirus A, TGEV □
- **Porcine Enteric 2 (older pigs)**: Brachyspira spp., Lawsonia intracellularis, Salmonella spp. □
- **Porcine Respiratory**: PRRSV, PCV2 Influenza A Mycoplasma hypopneumoniae □

**Serology (1 ml serum, redtop or separator tube)**
- **BVD (Bovine viral diarrhea)** testing options:
  - IHC (up to 6 fixed ear notches per slide)
  - Herd screen serum or fresh ear notch ELISA □
  - PCR (tissues, feces or EDTA blood) □
  - Serum neutralization (serum) □
  - Brachyspira spp. □ PCR
  - Brucella canis □ Card
- **Canine Coronavirus** □ PCR
- **Canine Distemper**: IgG antibody (IFA) □
  - IgM (IFA) □ PCR
- **Canine Distemper Parvo Titer** □ ELISA
- **Canine Heartworm** □ ELISA
- **Canine Parvovirus**: IgG antibody □ IgM antibody □ PCR
- **Chlamyphophila psittaci** □ PCR
- **Coccidiomycosis**: AGID
- **Cryptococcus**: Antibody □ Antigen-LA
- **Ehrlichia spp.**: IFA □ PCR
- **Enteric virus**: Electron microscopy
- **Equine Herpesvirus**: IFA □ ELISA □ PCR
- **Epizootic Hemorrhagic Disease Virus (EHD)** □ AGID □ PCR
- **Feline Calicivirus**: Virus Isolation
- **Feline Heartworm Antibody** □
- **Feline Herpesvirus**: PCR
- **Feline Infectious Peritonitis (FIP)** □ IFA □ PCR
- **Histoplasmosis**: AGID
- **Infect. Bovine Rhinotracheitis** (IBR): SN □ PCR
- **Influenza A**: PCR
- **Johne’s**: ELISA (serum) □ PCR (feces)
- **Lawsonia intracellularis**: PCR
- **Leptospirosis**: MA (6 serovars) □ PCR
- **Mycoplasma**: PCR
- **Mycoplasma bovoculi**: PCR
- **Mycoplasma hyopneumoniae**: ELISA □ PCR
- **Neospora**: ELISA
- **Parainfluenza 3**: SN □ PCR

**Clinical Pathology**
- **Chemistry** □ centriuge and remove serum/plasma into a separate tube
  - Specimen type:
    - Serum □ Plasma □ Urine □ Other □
    - MAXI Profile □ MINI Profile □ RENAL Profile □ LIVER Profile □ Bile Acid Single □ Foal IgG □ Electrolyte and Mineral Panel □ Urine Protein/Creatinine □ Other □

- **Coagulation**: CALL for instructions
  - PT □ PTT

**Hematology**
- **CBC (small animal)**: Submit EDTA tube & smears (includes fibrinogen in large animals)
  - CBC (large animal)**: Submit EDTA tube & smears (includes fibrinogen)
  - Fibrinogen □
  - Knot’s test □
  - Coombs’ Test □
  - Smear Exam for □
  - Other □

**Bone Marrow**: submit concurrent
- CBC or send recent CBC report □
- Bone Marrow Aspirate □
- Bone Marrow Core Biopsy □

**Fecal Examination**
- Flotation □ Fecal Occult Blood
- Cryptosporidium □ Baermann
- Direct Fecal Exam □
- Other □

**Urinalysis (For Courier/Local Samples Only)**
- □ Voided
- □ Cystocentesis □ Catheter □ Off Floor □ Complete UA □ UA w/o Sediment Exam □ Other □

**Endocrinology**
- □ Total T4 □ TSH (canine) □ Cortisol – Single □ ACTH Stimulation – 2 sample □ Dexamethasone Suppression – 2 Sample □ Dexamethasone Suppression – 3 Sample □ Progesterone (1 mL serum) □ Endogenous ACTH (1 mL EDTA Plasma) (Equine)

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