

**CVM Veterinary Medical Diagnostic Laboratory Submission Form**

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

**Courier Address**

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

**US Mail Address**

VMDL, 810 E. Campus Loop, Columbia, MO 65211

VMDL, PO Box 6023, Columbia, MO 65205

Acct No \_\_\_\_\_  Email \_\_\_\_\_

Date Sample Taken \_\_\_\_\_ Date Sent \_\_\_\_\_

Phone \_\_\_\_\_  Fax \_\_\_\_\_

Owner \_\_\_\_\_

Veterinarian \_\_\_\_\_

Address \_\_\_\_\_

Clinic \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Animal Tag/ID \_\_\_\_\_ Species \_\_\_\_\_ Breed \_\_\_\_\_ Sex \_\_\_\_\_ Age \_\_\_\_\_ Weight \_\_\_\_\_

#in Group \_\_\_\_\_ Sick \_\_\_\_\_ Dead \_\_\_\_\_ Raised on Premises? \_\_\_\_\_ If purchased, when? \_\_\_\_\_ New introductions? \_\_\_\_\_ Date Introduced \_\_\_\_\_

Date noticed sick \_\_\_\_\_ Euthanized? \_\_\_\_\_ Method of euthanasia \_\_\_\_\_ Time/ Date of Death \_\_\_\_\_

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

- Normal  Fever  Neurological  Hepatic  GI/Diarrhea
- Abortion/Repro Failure  Endocrine  Sudden Death  Urinary/urogenital  Musculoskeletal/lameness
- Edema  Ocular  Neoplasia/Mass  Chronic weight loss  Cardiac
- Respiratory  Anorexia  Dermatological  Production/performance  Hematological/Hemorrhage
- Erosion/Vesicular  Other \_\_\_\_\_ decline

Clinical/Differential Diagnosis: \_\_\_\_\_ Additional History: \_\_\_\_\_

Necropsy Exam  Necropsy+Histopathology  Necropsy+Histo with Laboratory Tests  Abortion Panel  Toxicology (additional fees)

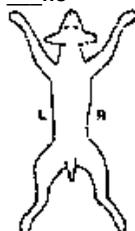
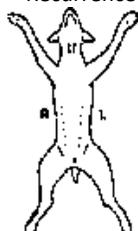
Biopsy  FA Diarrhea panel-feces  FA Diarrhea panel-tissues  FA Respiratory panel

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? yes no partially. If tumor, Size \_\_\_\_\_ Duration \_\_\_\_\_ Rate of growth slow fast

Recurrence yes no



Circle lesions mark "X" for biopsy locations



**Sample type**

- Tissue, Fresh  Blood
- Tissue, Fixed  Serum
- Feces  Urine
- Other \_\_\_\_\_

**Cytologic Exam**—Label slides with animal ID & site. Pertinent clinical information: \_\_\_\_\_

Cytology - List site(s) \_\_\_\_\_

Circle Collection Method: Washes Aspirates Imprints Brushes Scrapings Other \_\_\_\_\_

Multiple Lymph Node Cytology (2-4 Lymph Nodes) – List site(s) \_\_\_\_\_

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  Bronchoalveolar Lavage -- Send Fluid in an EDTA tube along with slides

**Bacteriology**  Feces  Swab from \_\_\_\_\_  Tissue from \_\_\_\_\_  Urine Cystocentesis Free Catch Other \_\_\_\_\_

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

Aerobic culture Anaerobic culture Antimicrobial susceptibility Enteric screen(bovine,canine,porcine) Fungal culture Abortion screen

Blood culture *Salmonella*  Johne's culture Johne's direct PCR fecal Trichomonas foetus PCR or culture

Other \_\_\_\_\_ Treated with antibiotics recently? Y/N Antibiotic used, when, and last dose \_\_\_\_\_

**Toxicology**  Feed  Blood  Serum  Fresh Tissue  Other \_\_\_\_\_  Consult Toxicologist

Aflatoxin in milk and liver  Ammonia  Calcium serum; ocular fluid  Cholinesterase activity whole blood, brain  Copper  Ergot Alkaloids in

feedstuffs  Ergot/Fescue Alkaloids in feedstuff  Lead  Magnesium serum and ocular fluid  Mycotoxin Screen  Nitrate –feed –ocular

Rumen pH (included with necropsy)  Vitamin E  Other \_\_\_\_\_

**Rabies testing:**  Brain only  Entire body with brain removal & carcass disposal [send out]  Chronic Wasting Disease (CWD) [send out]

Lab use only  Cold Pac  Frozen  None  Room Temp. Sample Condition  Broken  Leaked  Other \_\_\_\_\_

\*\*Clients submitting specimens are considered to have agreed to VMDL testing procedures, policies and fees (view at: <http://www.vmdl.missouri.edu/>).

Specimens become the property of the VMDL.

Tube/Name/No.	Species	Breed	Sex	Age
1				
2				

Tube/Name/No.	Species	Breed	Sex	Age
3				
4				

**PCR Panels**

**Bovine Enteric** : Bovine Coronavirus, Rotavirus and BVD I & II   
**Bovine Pink Eye** : IBR, *Mycoplasma bovis*, *Mycoplasma bovoculi*   
**Bovine Respiratory** : BVD I & II, BRSV, PI3, IBR   
**Canine Respiratory Panel** : Canine Distemper Virus, Influenza A, Canine Adenovirus   
**Equine Enteric** : *Salmonella*, *Lawsonia*, Potomac Horse Fever (EDTA blood and feces)   
**Equine Enteric: plus** *Clostridium difficile* toxin A&B ELISA and *Clostridium perfringens* ELISA (call for instruction)   
**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 hyopneumoniae*

**Serology (1 ml serum, redtop or separator tube) PCR/Virology (EDTA whole blood, CNS fluid, swabs, tissue, feces or as noted)**

*Anaplasma phagocytophilum*(K9, Fel)  IFA  PCR  
 Anaplasmosis  ELISA  PCR  
 Aspergillosis  AGID  
 Blastomycosis  AGID  
 Blastomycosis and Histoplasmosis  AGID  
 Bluetongue  ELISA  PCR  
*Borrelia burgdorferi* (Lyme Dz)  IFA  PCR  
 Bovine Coronavirus  PCR  
 Bovine Leukosis  ELISA  PCR (EDTA blood)  
 Bovine Respiratory Syncytial Virus  PCR  
*Brucella canis*  Card  
**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*  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  
*Chlamydomphila psittaci*  PCR  
 Coccidiomycosis  AGID  
*Cryptococcus*  Antibody  Antigen-LA  
*Ehrlichia spp.*  IFA  PCR  
 Enteric virus  Electron microscopy  
 Equine Herpesvirus  SN  EHV 1&4 PCR  
 Equine Infectious Anemia (EIA)   
 Equine Viral Arteritis  ELISA  SN  
 Epizootic Hemorrhagic Disease Virus (EHD)  AGID  PCR  
 Feline Calicivirus  Virus Isolation  
 Feline Heartworm Antibody   
 Feline Herpesvirus  PCR  
 Feline Infectious Peritonitis (FIP)  IFA  PCR  
 FIV Antibody and FeLV Antigen –  Snap test  
 Feline Leukemia Virus –  FA  
 Histoplasmosis  AGID  
 Infect. Bovine Rhinotracheitis (IBR)  SN  PCR  
 Influenza A  PCR  
 Johnes  ELISA (serum)  PCR (feces)  
*Lawsonia intracellularis*  PCR  
*Leptospira*  MA (6 serovars)  PCR  
*Mycoplasma*  PCR w/sequencing  
*Mycoplasma bovoculi*  PCR  
*Mycoplasma hyopneumoniae*  ELISA  PCR  
*Neospora*  ELISA  
 Parainfluenza 3  SN  PCR  
 Porcine Circovirus (PCV2)  PCR  
 Porcine Epidemic Diarrhea Virus (PEDV)  PCR  
 PRRSV  ELISA  PCR  
 Potomac Horse Fever  PCR (feces, EDTA)  
 Pseudorabies (PRV)  ELISA  PRV & Brucella  
*R. rickettsii* (RMSF)  IFA  PCR  
 Rotavirus A  PCR  
*Salmonella*  PCR  
 Senecavirus A real time  PCR  
 Small Ruminant Lentivirus CAE & OPP  ELISA  
 Swine Influenza  ELISA  PCR  
 Tick panel: *A. phagocytophilum*, *B. burgdorferi*, *E. canis*, and *R. rickettsii*   
 IFA-serum  PCR EDTA  
 Toxoplasma (feline)  IFA  PCR  
 Toxoplasma (all species)  PCR  
 TGEV/Porcine respiratory coronavirus  PCR  SN  
*Trichomonas foetus*  PCR  
 (InPouch within 48 hours)  
 Vesicular Stomatitis  SN  
 West Nile IgM (equine only)  ELISA  
 West Nile  PCR  
**Other:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Clinical Pathology must provide Date Sample Taken \_\_\_\_\_**

<p><b>Chemistry</b> – centrifuge and remove serum/plasma into a separate tube                  Specimen type:  <input type="checkbox"/> Serum <input type="checkbox"/> Plasma <input type="checkbox"/> Urine  <input type="checkbox"/> Other _____  <input type="checkbox"/> MAXI Profile  <input type="checkbox"/> MINI Profile  <input type="checkbox"/> RENAL Profile  <input type="checkbox"/> LIVER Profile  <input type="checkbox"/> Bile Acid Single  <input type="checkbox"/> Foal IgG  <input type="checkbox"/> Electrolyte and Mineral Panel  <input type="checkbox"/> Urine Protein/Creatinine  <input type="checkbox"/> Other _____  <b>Coagulation</b>—CALL for instructions  <input type="checkbox"/> PT  <input type="checkbox"/> PTT</p>	<p><b>Hematology</b>  <input type="checkbox"/> CBC (small animal) - Submit EDTA tube &amp; smears (includes fibrinogen in large animals)  <input type="checkbox"/> CBC (large animal) - Submit EDTA tube &amp; smears (includes fibrinogen)  <input type="checkbox"/> Fibrinogen  <input type="checkbox"/> Knott's test  <input type="checkbox"/> Coombs' Test  <input type="checkbox"/> Smear Exam for _____  <input type="checkbox"/> Other _____  <b>Bone Marrow</b> - submit concurrent CBC or send recent CBC report  <input type="checkbox"/> Bone Marrow Aspirate  <input type="checkbox"/> Bone Marrow Core Biopsy  <b>Fecal Examination</b>  <input type="checkbox"/> Flotation <input type="checkbox"/> Fecal Occult Blood  <input type="checkbox"/> <i>Cryptosporidium</i> <input type="checkbox"/> Baermann  <input type="checkbox"/> Direct Fecal Exam                  Other (specify) _____</p>	<p><b>Urinalysis (For Courier/ Local Samples Only)</b>  <input type="checkbox"/> Voided  <input type="checkbox"/> Cystocentesis  <input type="checkbox"/> Catheter <input type="checkbox"/> Off Floor  <input type="checkbox"/> Complete UA  <input type="checkbox"/> UA w/o Sediment Exam  <input type="checkbox"/> Other (specify) _____  <b>Endocrinology</b>  <input type="checkbox"/> Total T4  <input type="checkbox"/> TSH (canine)  <input type="checkbox"/> Cortisol – Single  <input type="checkbox"/> ACTH Stimulation – 2 sample  <input type="checkbox"/> Dexamethasone Suppression -- 2 Sample  <input type="checkbox"/> Dexamethasone Suppression -- 3 Sample  <input type="checkbox"/> Progesterone (1 mL serum)  <input type="checkbox"/> Endogenous ACTH (1 mL EDTA Plasma) (Equine)</p>
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