

## DIAGNOSTIC GUIDE FOR FREQUENTLY ENCOUNTERED CLINICAL SITUATIONS

CLINICAL CONDITION	SAMPLE(S) TO SUBMIT	TESTS PERFORMED
Visible or palpable lesion	Formalin-fixed Tissue	Histopathology
Unexplained Death	Whole body or contact the laboratory for appropriate tissues and environmental specimens.	Necropsy - may include any or all of the following: Gross Examination, Histopathology, Bacterial Culture Fluorescent Antibody Testing, Immunohistochemistry General Virus Isolation Electron Microscopy (Toxicology additional if indicated)
Equine Reproductive Problem	Formalin-fixed endometrial biopsy Uterine swab Endometrial cytology sample	Histopathology Bacterial Culture Cytology
Cutaneous Disease	3-4 Formalin-fixed skin biopsies 2 fresh biopsies or swabs	Histopathology Bacterial Culture Fungal Culture
Abortion	Fetus & placenta Acute and convalescent sera from the dam or Formalin fixed and fresh tissues: Placenta, Skeletal muscle (ex. Tongue or diaphragm), Tonsil (swine), Thymus, Heart, Lung, Lymph node, Adrenal gland, Liver, Kidney, Spleen, Brain	May include any or all of the following:  Histopathology, Bacterial Culture, Fluorescent Antibody Testing, Immunohistochemistry, General Virus Isolation  Serology for routine abortifactants on the dam

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Respiratory Disease	<p>Formalin fixed and fresh tissues: Lung, Trachea, Tonsil (swine/canine), Bronchial lymph node, Mesenteric lymph node, Ileum</p> <p>Sections of other tissues as indicated by lesions or differential diagnoses</p>	<p>May include any of all of the following:</p> <p>Histopathology, Bacterial Culture, Fluorescent Antibody Testing, Immunohistochemistry, General Virus Isolation</p>
Enteric Disease	<p>Formalin fixed and fresh tissues: Rumen, Abomasum, Stomach, Duodenum Jejunum, Ileum, Colon, Mesenteric lymph node, Liver, Spleen</p>	<p>May include any of all of the following:</p> <p>Histopathology, Bacterial Culture, Electron Microscopy Fluorescent Antibody Testing, Toxicology</p> <p>Contact the WVDL for additional sample selection.</p>
Neurologic disease	<p>Formalin fixed and fresh tissues: Brain, Tonsil (swine/canine), Liver, Kidney Stomach content, Sections of other tissue as indicated by lesions or differential diagnoses</p> <p>Serum and whole blood if available</p>	<p>May include any of all of the following:</p> <p>Histopathology, Bacterial Culture, Fluorescent Antibody Testing, Toxicology</p> <p>Contact the WVDL for additional sample selection.</p>