

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
<b>Acid Fast Stain (for bacteria)</b>  For the direct microscopic detection of Mycobacterium species. *May qualify for New York State contract pricing	8.50 /sample	Bacteriology	M-F	1-2 days	1) Affected tissue, lesion, or fluid; 2) Impression smear	1) Amies transport media (swab) or sealed sterile container; 2) slide mailer	1) Refrigerate. Ship in insulated container with ice pack. 2) Not required
<b>Acidic-Extracted Drugs</b>  Qualitative drug screening and confirmation. Analytes include, but are not limited to: Acetaminophen, Barbiturates, Bumetanide, Chlorothiazide, Diclofenac, Diflunisal, Firocoxib, Flufenamic Acid, Flunixin, Flurbiprofen, Furosemide, Griseofulvin, Ibuprofen, Indomethacin, Ketoprofen, Meclofenamic Acid, Meprobamate, Methocarbamol, Naproxen, Oxyphebutazone, Phenylbutazone, Nabumetone, Salicylic Acid, Sulfa Drugs (Sul diazine, Sulfadimethoxine, Sulfadimidine, Sulfafurazole, Sulfamerizine, Sulfamethoxazole, Sulfanilamide, Sulfapyridine, Sulfathiazole), Sulindac, Thiosalicylic Acid, Tolmetin, Zomepirac.	70.00 STAT+25	Toxicology	M-F	2 business days. STAT (+\$25) available for same-day results.	1) 4 ml heparinized (preferred) or EDTA plasma or serum; OR 2) 10 ml heparinized (preferred) or EDTA whole blood; OR 3) 50 ml urine	Heparinized tube(s), no gel clot; or red top tube with transferred heparinized plasma, labeled accordingly. Less ideal: red top tube with transferred serum or EDTA plasma OR red top/lavender top tube(s) with whole blood OR urine in leak-proof container	1-3) Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
<b>ACTH &amp; Insulin</b>  Equine only. Plasma must be separated from cells and frozen within 4 hours for equine. For more information, see Equine Cushing's Tests or Appendix C.	45.00	Endocrinology	ACTH: M-F, Insulin: M,W,Th	1-4 days	2 mL EDTA plasma ONLY	EDTA tube, plasma must be separated from cells within 4 hrs of collection. Plasma or serum can be used for insulin.	Freeze if not sending same day, ship with ice packs.
<b>ACTH baseline - canine</b>  ACTH baseline, canine only For more information, see Canine Adrenal & Pituitary Function Tests	28.00	Endocrinology	M-F	1-3 days	0.25 ml EDTA plasma. Separate from plasma ASAP	EDTA plastic tube, transfer separated plasma ASAP and freeze.	Freeze, ship with ice pack.
<b>ACTH baseline - equine</b>  ACTH baseline, equine only Equine Only. Plasma must be separated from cells within 4 hours. For more information, see Appendix C	28.00	Endocrinology	M-F	1-3 days	1 mL EDTA plasma ONLY	EDTA tube, plasma must be separated from cells within 4 hrs of collection.	EDTA tube, plasma must be separated from cells within 4 hrs of collection.
<b>ACTH Post TRH 10 min</b>  ACTH Post TRH 10 min Equine only, post -TRH sample. For more information, please see PPID/Cushing's Testing	27.50	Endocrinology	M-F	1-3 days	EDTA plasma; 0.5 mL	EDTA tube, plasma must be separated from cells within 4 hrs of collection.	Freeze if not sending same day, ship with ice packs.
<b>ACTH post TRH 30 min</b>  Equine only, 30 minutes post-TRH injection Equine only, post -TRH samples. For more information, please see PPID/Cushing's Testing	22.50	Endocrinology	M-F	1-3 days	EDTA plasma; 0.5 mL each sample	EDTA tube, plasma must be separated from cells within 4 hrs of collection.	Freeze if not sending same day, ship with ice packs.
<b>ACTH Pre TRH Response</b>  Equine only Equine only, this is the baseline ACTH of the TRH response test. For more information, please see PPID/Cushing's Testing	28.00	Endocrinology	M-F	1-3 days	EDTA plasma; 0.5 mL	EDTA tube, plasma must be separated from cells within 4 hrs of collection.	Freeze if not sending same day, ship with ice packs.
<b>ACTH, Insulin and Leptin</b>  Equine only Plasma must be separated from cells and frozen within 4 hours for Equine. For more information, see Equine Cushing's Tests and Equine Metabolic Syndrome Tests.	68.00	Endocrinology	ACTH: M-F; Insulin: M,W,Th; Leptin:M,W	3 - 9 days	1.5 ml EDTA plasma	EDTA blood collectiontube, plasma must be separated from cells within 4 hrs of collection. Plasma or serum can be used for insulin and leptin.	Freeze if not sending same day, ship in insulated container with freezer packs.

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Acute Leukemia Flow Panel	160.00	Clinical Pathology	variable	4-5 business days from receipt in the lab	1) EDTA blood; or 2) bone marrow in CPD (citrate phosphate dextrose; obtained from an unused blood transfusion bag) or ACD (acid phosphate dextrose; yellow top tube)	1) Frosted-end slides AND one of the following: 2) lavender top tube (blood); 3) red-top tube with CPD or yellow top tube (bone marrow)	Refrigerate fluids only, DO NOT refrigerate smears
<p>Used for immunophenotyping acute leukemias in blood or bone marrow with flow cytometry in the dog or horse, but not cats. (For cats, see Lymphoma Flow Panel). This Acute Leukemia Flow Panel is also the panel to request if wanting to phenotype lymphoid neoplasms (chronic lymphocytic leukemia or lymphoma) in horses. We recommend you call the laboratory at 607-253-3255 to determine if this is the correct test to request. Interpretation of flow cytometry requires knowledge of patient signalment, clinical signs, imaging findings and other clinical pathology results. We must have Wright's stained smears of the submitted sample for evaluation. For this reason we ask that a CBC or blood smear examination be requested on blood samples and a bone marrow examination be requested on bone marrow samples. Do not allow coolant to come in contact with the specimen; ship overnight. For additional information see Immunophenotyping.</p>							
Aerobic Bacterial Culture	40.00 /sample	Bacteriology	M-F	2-7 days	Affected tissue, lesion, fluid aspirate or swab in bacterial transport media	Amies transport media (swab) or sealed sterile container	Refrigerate. Ship in insulated container with ice pack.
<p>For the isolation of aerobic bacteria. Tissues are not routinely pooled for aerobic cultures. When multiple tissues are submitted and aerobic culture is requested, we will culture each separately, and a fee for each tissue will accrue. To detect Salmonella from GI samples, a Salmonella culture should be requested. Salmonella is readily identified in aerobic cultures from non-GI sources. To detect Listeria in brain or CSF specimens, a Listeria culture should be requested. Listeria is readily identified in aerobic cultures from systemic samples of septicemic animals or fetal tissues. Streptococcus equi is identified in routine aerobic cultures. If no other aerobic bacteria are of diagnostic concern, a Strep. equi culture can be used to rule in/out Strep. equi only. For Campylobacter spp., Mycoplasma spp., Ureaplasma spp., Yersinia spp. and Brucella spp., individual cultures specific to the bacteria should be requested, as they are not detected reliably in routine aerobic cultures. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not included in the testing fee. Susceptibilities will be performed only if specifically requested. See Antimicrobial Susceptibility (MIC) and Antimicrobial Susceptibility, Ophthalmology. Preliminary results will be provided one day after sample processing begins.</p>							
Aerobic Culture & Sensitivity - CUHA	55.00	Bacteriology					
Aerobic Culture (QMPS)	5.50 NY; Out of state price - \$10.00	Quality Milk Production Services	M-F	48 hrs	1-15 ml Milk, Teat Dip or Colostrum; Swab	Clean, Sealed Container	Refrigerate or Freeze sample, Ship on ice
Alanine Aminotransferase (ALT)	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Albumin	8.50	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid; 3) 2 mL urine	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
<p>See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Alkaline Phosphatase (ALP)	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid;	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>For more information, see Test Info and Protocols. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Amikacin - Peak	60.00	Clinical Pathology	Mon - Sat	1-2 days	Serum or lithium plasma. Avoid serum separator tubes as gel may interfere.	Plain glass or plastic tube	Refrigerate. Ship in insulated container with cold packs
<p>This is a particle enhanced-immunoturbidometric assay which uses antibodies against amikacin, which causes aggregation of amikacin-coated particles and a decrease in light transmission. Measurements of peak (C<sub>MAX</sub>) and trough (C<sub>MIN</sub>) concentrations allow the determination of the highest and lowest drug concentrations, respectively. There is no established protocol for the timing of these samples. C<sub>MAX</sub> is typically collected 30 minutes to 1 hour after an intravenous bolus administration, but some authors recommend measurement at 1.5-2hrs post administration. C<sub>MIN</sub> can be measured at 16-19 hours (foals), at 22 hours or just prior to the next dose (closer to 24 hours). Serum from serum separator tubes (containing gel) should be avoided, as the gel may interfere with the testing. After sample collection, the sample should be kept refrigerated and sent to our laboratory with a cold pack. However, if testing will be delayed more than a week past collection, the sample should be frozen and sent on dry ice. Per the manufacturer of the assay, frozen samples are stable for two weeks (-20°C).</p>							
Amikacin - Peak Only	95.00	Clinical Pathology	Mon - Sat	1-2 days	Serum or lithium plasma. Avoid serum separator tubes as gel may interfere.	Plain glass or plastic tube.	Refrigerate. Ship in insulated container with cold packs
<p>This is a particle enhanced-immunoturbidometric assay which uses antibodies against amikacin, which causes aggregation of amikacin-coated particles and a decrease in light transmission. Measurements of peak (C<sub>MAX</sub>) and trough (C<sub>MIN</sub>) concentrations allow the determination of the highest and lowest drug concentrations, respectively. There is no established protocol for the timing of these samples. C<sub>MAX</sub> is typically collected 30 minutes to 1 hour after an intravenous bolus administration, but some authors recommend measurement at 1.5-2hrs post administration. C<sub>MIN</sub> can be measured at 16-19 hours (foals), at 22 hours or just prior to the next dose (closer to 24 hours). Serum from serum separator tubes (containing gel) should be avoided, as the gel may interfere with the testing. After sample collection, the sample should be kept refrigerated and sent to our laboratory with a cold pack. However, if testing will be delayed more than a week past collection, the sample should be frozen and sent on dry ice. Per the manufacturer of the assay, frozen samples are stable for two weeks (-20°C).</p>							

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Amikacin - Trough	60.00	Clinical Pathology	Mon - Sat	1-2 days	Serum or lithium plasma. Avoid serum separator tubes as gel may interfere.	Plain glass or plastic tube.	Refrigerate. Ship in insulated container with cold packs
<p>This is a particle enhanced-immunoturbidometric assay which uses antibodies against amikacin, which causes aggregation of amikacin-coated particles and a decrease in light transmission. Measurements of peak (C<sub>MAX</sub>) and trough (C<sub>MIN</sub>) concentrations allow the determination of the highest and lowest drug concentrations, respectively. There is no established protocol for the timing of these samples. In horses, C<sub>MAX</sub> is typically collected 30 minutes to 1 hour after an intravenous bolus administration, but some authors recommend measurement at 1.5-2hrs post administration. C<sub>MIN</sub> can be measured at 16-19 hours (foals), at 22 hours or just prior to the next dose (closer to 24 hours). Serum from serum separator tubes (containing gel) should be avoided, as the gel may interfere with the testing. After sample collection, the sample should be kept refrigerated and sent to our laboratory with a cold pack. However, if testing will be delayed more than a week past collection, the sample should be frozen and sent on dry ice. Per the manufacturer of the assay, frozen samples are stable for two weeks (-20°C).</p>							
Ammonia	54.00	Clinical Pathology	M-F	1 day	Separated plasma from a purple top (EDTA) or green top (heparin) tube. See <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/ammonia.cfm">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/ammonia.cfm</a> specific for collection instructions.	Purple top (EDTA) or green top (heparin) tube	Separate and freeze plasma immediately. Ship to lab on dry ice (sample must stay frozen during transit). Mark the outside of the shipping box: PERISHABLE KEEP COOL.
<p>Used to identify hyperammonemia in cases with neurologic symptoms due to hepatic failure (hepatic encephalopathy), enteric disease (colonic disorders in horses) and inherited disorders of ammonia metabolism. Call the lab at 607-253-3255 <b>prior to</b> drawing sample. See Eclinpath for more information</p>							
Amylase	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
<p>See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Amylase, urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer pack.
Anaerobic Bacterial Culture	45.00 /sample	Bacteriology	M-F	2-7 days	1) Fluid aspirate inoculated into anaerobic transport media vials for liquid specimens (Cary-Blair, e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM); 2) Fresh tissue (>2-3 cm in diameter, minimum size); 3) Ligated loop of intestine; 4) Swab or small tissue collected and immediately placed in anaerobic transport media tube for swabs (Cary-Blair, e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1,4) Anaerobic transport media (Cary-Blair, e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM); tube or vial form - see sample info above; 2-3) tissues (>2-3 cm in diameter, minimum size) (not swabs) in sealed sterile container	1) DO NOT Refrigerate anaerobic transport media tubes or vials; 2-3) Tissues (>2-3 cm in diameter, minimum size) are ideally held and shipped frozen with sufficient insulation and freezer packs to arrive next day and very cold; refrigerated temperatures are acceptable only for tissue samples delivered to the lab within 24 hours of collection.
<p>For the isolation of anaerobic bacteria. Ship overnight. Antimicrobial susceptibilities are not applicable. Please consider using the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine diarrhea submissions. Tissues (&gt;2-3 cm in diameter, minimum size or ligated loops of bowel) are ideally held and shipped frozen with sufficient insulation and freezer packs to arrive next day and very cold; refrigerated temperatures are acceptable only for tissue samples delivered to the lab within 24 hours of collection. DO NOT Refrigerate anaerobic transport media tubes or vials. Despite labeling to the contrary, culture systems containing Amies transport media or Stuart transport media are inappropriate as transport systems for anaerobic culturing. Swabs transported without any transport media are unsuitable for both aerobic and anaerobic culture.</p>							
Anaplasma phagocytophilum (Ehrlichia equi) PCR	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood, buffy coat (min. 2 mL); 2) tick: see comment; 3) tissue (min. 5 g)	unbreakable, leak-proof container	Refrigerate
<p>PCR to detect Anaplasma phagocytophilum. EDTA blood is the preferred sample from a sick animal. Ticks must first be submitted for parasite ID to determine if they are a vector species; see Parasite Identification test.</p>							
Anaplasmosis c-ELISA	11.00	Virology	W	1 wk	1 ml serum, plasma is not an acceptable sample for this test	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Enzyme linked immuno-assay for detecting antibodies to Anaplasma marginale. Acceptable species: Bovine; Non-bovine species (Caprine, Camelid, and Ovine) can be tested. However, test validation has not been done on the new version of this kit. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							

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<b>Anesthetic Screen</b>  Qualitative screening for acepromazine, barbiturates, ketamine, morphine, xylazine, tiletamine/zolazepam. <b>Special request only; contact Lab.</b>	331.00 per /sample	Toxicology	M-F as needed	3 business days	1) urine; 2) heparin whole blood; 3) liver	1) sterile, leak-proof container; 2) Heparinized tube; 3) sterile, leak-proof container	1-3) Refrigerate. Ship in insulated container with ice pack.
<b>Anthrax Culture</b>	55.25	Bacteriology	M-F	2-7 days	Affected tissue, lesion, fluid aspirate or swab in bacterial transport media	Amies transport media (swab) or sealed sterile container	Refrigerate. Ship in insulated container with ice pack.
<b>Antibiotic Susceptibility</b>  3 cultures/plate, fresh culture	25.00	Quality Milk Production Services	M-F	24 hrs	1-15 ml milk; plate	Clean, Sealed Container	Refrigerate. Ship in insulated container with ice packs.
<b>Anticoagulant Rodenticides</b>  Quantitative analysis for anticoagulant rodenticides including Brodifacoum, Bromadiolone, Chlorophacinone, Diphacinone, Difethialone, and Warfarin.	165.50	Toxicology	M-F, as needed	2-3 days for blood; 3-7 days for liver	1) liver; 2) Whole blood - EDTA, heparinized OR citrated	1) unbreakable, leakproof sterile container for tissue 2) heparin, EDTA, or citrate blood tube	Refrigerate
<b>Antimicrobial Susceptibility (MIC)</b>  Includes systemic antimicrobials. <b>Bacterial culture must be performed to recover an isolate before testing can be done. Cost of culture is separate. For susceptibilities on bacterial isolates, pure, identified cultures must be submitted.</b> *May qualify for New York State contract pricing .	28.00 /isolate	Bacteriology	M-F	2-5 days	1) Affected tissue, lesion or fluid; 2) Feces or intestinal content; 3) Bacterial isolate	1) Amies transport media (swab) or other appropriate bacterial transport media OR 2) Exudate or aspirate fluid in sealed sterile container OR 3) Bacterial isolate on Agar slant or plate (sealed) or swab in appropriate bacterial transport media	1-3) Refrigerate. Ship in insulated container with ice pack.
<b>Antimicrobial Susceptibility, Ophthalmology</b>  Includes topical ophthalmic antimicrobials. *May qualify for New York State contract pricing . Bacterial culture must be performed to recover an isolate before testing can be done. Cost of culture is separate. For susceptibilities on bacterial isolates, pure, identified cultures must be submitted. Special certified training is required for the shipment of some pure cultures. Contact AHDC laboratory with questions	30.50 per isolate	Bacteriology	M-F	2-5 days	1) Bacterial isolate	1) In house culture isolate 2) Agar slant or plate (sealed)	1-2) Refrigerate. Ship in insulated container with ice pack.
<b>Antimicrobial Susceptibility, Urine</b>  Includes antimicrobials that concentrate in the bladder. *May qualify for New York State contract pricing . Bacterial culture must be performed to recover an isolate before testing can be done. Cost of culture is separate. For susceptibilities on bacterial isolates, pure, identified cultures must be submitted. **Shippers of bacterial isolates must be fully trained in Hazardous Materials Shipping and adhere to all applicable regulations.	24.50 /isolate	Bacteriology	M-F	2-5 days	1) Urine; 2) Bladder tissue/stones; 3) Bacterial isolate** (see Comment)	1-2) Sterile container or Amies transport media (swab); 3) Agar slant or plate (sealed)	1-3) Refrigerate. Ship in insulated container with ice packs.
<b>Anti-Mullerian hormone (AMH) ELISA</b>  For canine and feline serum samples only. Ship on frozen cold packs using an overnight courier service. To assure reliable results serum sample should arrive either frozen or adequately chilled (i.e. partially thawed but kept near 4 C at all times). For more information, please see: Canine and Feline Reproductive Function Tests.	65.00	Endocrinology	Wednesday AM - sample must arrive by Tuesday	7 days	0.5 mL serum	Plain red-top tube with NO additives	Freeze. Ship in insulated container with ice packs.
<b>Antinuclear Antibody (ANA)</b>  ANA, dogs and cats only Ship Overnight	41.00	Clinical Pathology	1x/wk	7 days	1 mL separated serum	Red top (non-anticoagulant) tube	Refrigerate. Ship in insulated container with ice pack.

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Antiplasmin  Measurement of antiplasmin levels in plasma Ship Overnight. For additional info see Submission Guidelines, or see Comp Coag web page	38.50	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate. Ship in insulated container with ice pack.
Antithrombin (AT3)  Ship Overnight. For additional info see Submission Guidelines, or see Comp Coag web page	35.75	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate. Ship in insulated container with ice pack.
aPTT (Activated Partial Thromboplastin Time)  Ship Overnight. For additional info see Submission Guidelines, or see Comp Coag web page	14.50	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate. Ship in insulated container with ice pack.
aPTT Inhibitor Screen  Ship Overnight; requires aPTT on same sample; for additional info see Submission Guidelines, or Comp Coag web page	14.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate. Ship in insulated container with ice pack.
Arsenic, blood/water/urine  Quantitative arsenic concentration in fluid samples. Cannot analyze in plasma or serum - Need whole blood. Do not use heparin tubes (gel tubes). Whole blood should not be clotted. Contact Lab for specifics for avian and very small animals	40.00 /sample	Toxicology	M-F	3 business days	1) whole blood; 2) urine; 3) water	1) Heparinized or EDTA tube; 2) urine in sterile container	1-2) Refrigerate. Ship in insulated container with ice pack.
Arsenic, tissue/feed  Quantitative arsenic concentration in tissue or feed.	35.00 /sample	Toxicology	M-F	5 business days	1) tissue; 2) feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Aspartate Aminotransferase (AST)  See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Aspartate Aminotransferase (AST), urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate. Ship in insulated container with ice pack.
Avian Infect Bronchitis Virus (IBV) PCR  Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. See Appendix I for service agreement statement	36.75	Molecular Diagnostics	M-F as needed	3 days	1) cloacal or tracheal swab; 2) tissue (min. 5 g); 3) allantoic fluid (min. 2 mL)	unbreakable, leak-proof container	Refrigerate
Avian Influenza Virus antibody AGID  Agarose gel immuno-diffusion Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	4.25	Avian Diagnostics	M-Th	3 days	1ml Serum, eggs (11/flock), plasma is not an acceptable sample	Siliconized Tubes, no preservatives	It is recommended to ship samples with an ice pack(s).
Avian Influenza Virus PCR  Polymerase chain reaction Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) tracheal, choanal, oropharyngeal, cloacal (duck); 2) tissue (min. 5 g); 3) allantoic fluid (min. 2 mL)	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice pack.

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Avian Paramyxovirus-1 PCR	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) tracheal, cloacal, or environmental swab; 2) tissue (min. 5 g); 3) allantoic fluid (min. 2 mL)	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice pack.
<p>Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.</p>							
Avian Virus Isolation	70.00	Virology	M-F	7-30 days	tissues, tracheal, cloacal swabs	Sealable plastic bag or container, swabs in viral transport media	Refrigerate. Ship in insulated container with ice pack.
<p>Virus isolation Strain identification may take 30 additional days; Avian Influenza and Newcastle disease referred to NVSL for identification</p>							
Bacterial General ID	20.00 /sample; Out of state price - \$25.00	Quality Milk Production Services	M - F	2 days	10-50 gms milk, water, teat dip	clean, sealed container	Freeze
<p>quantitative counts for milk, teat dip and water</p>							
Bacterial ID	40.00 /isolate	Bacteriology	M-F	2-7 days	Bacterial isolate (pure culture)	Agar slant or plate (sealed) or Amies transport media (swab)	Refrigerate. Ship in insulated container with ice pack.
<p>For the identification of pure bacterial isolates. Charges are assessed PER ISOLATE submitted. Please ensure purity before shipment. Submissions accepted from Laboratories only. Follow all biohazard shipping regulations. Please provide animal history and suspected identification of isolate if possible.</p>							
Baermann Fecal Technique	25.00	Parasitology	M-F	2-3 days	15g fresh fecal sample (~1/2 cup)	Plastic leakproof container	Refrigerate. Ship in insulated container with ice pack.
<p>A modification of the Berlese Apparatus used to retrieve nematode such as lungworm, larvae from feces. The Baermann Technique is not recommended as a primary diagnostic technique for evaluation of parasites in feces. It is not useful for those nematode larvae that do not leave the feces or other biological material, or for detection of parasite eggs or cysts that may be in the fecal sample. Some lungworm larvae are retrieved using this technique, but some larvae such as those of <i>Filaroides hirthi</i>, <i>Filaroides osleri</i>, <i>Strongyloides</i> sp. and <i>Dictyocaulus</i> sp. are better recovered using flotation techniques. Lungworms, such as <i>Eucolus</i> (<i>Capillaria</i>) <i>aerophilus</i>, that do not produce larvae are detected only by using flotation methods as well. Any fecal sample submitted for this procedure must be freshly voided so that the sample is not contaminated by free-living nematodes. It is strongly recommended to use a fecal flotation technique when lungworms are suspected.</p>							
Basic-Extracted Drugs	70.00 /sample; plus \$25 for STAT	Toxicology	M-F	2 days	1) 4 ml heparinized (preferred) or EDTA plasma or serum; OR 2) 10 ml heparinized (preferred) or EDTA whole blood; OR 3) 50 ml urine	Heparinized tube(s), no gel clot; or red top tube with transferred heparinized plasma, labeled accordingly. Less ideal: red top tube with transferred serum or EDTA plasma OR red top/lavender top tube(s) with whole blood OR urine in leak-proof container	1-3) Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
<p>(including but not limited to): Acepromazine, Amphetamine, Apomorphine, Atropine, Benzocaine, Brompheniramine, Brucine, Bupivacaine, Caffeine, Cimetadine (Tagamet), Chlorpromazine, Cocaine, Codeine, Cyproheptadine, Dextromethorphan, Diazepam, Dihydrocodeine, Dipyrone, Doxapram, Embutramide, Ephedrine, Griseofulvin, Hordenine, Hydrocodone, Ketamine, Lidocaine, Mepivacaine, Meprobamate, Methocarbamol, Methylphenidate, Methamphetamine, Metoclopramide, Pentazocine, Phenacetin, Phenothiazine, Procaine, Promazine, Phenylpropanolamine, Propoxyphene, Pyrilamine, Rantidine (Zantac), Strychnine, Tetracaine, Theobromine, Theophylline, Trimethoprim, Tropicamide, Xylazine For more information, see Appendix B. \$25.00 will be added for STAT processing.</p>							
Batrachochytrium dendrobatidis PCR	36.75	Molecular Diagnostics	M - F	3 - 5 days	Skin swab or tissue	Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. Submit lung tissue in leakproof, unbreakable, sealed, sterile container.	Refrigerate. Ship in insulated container with frozen ice pack.
<p>This test identifies the causative fungal agent <i>Batrachochytrium dendrobatidis</i> (Bd) of amphibian chytridiomycosis.</p>							

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Beta-Hydroxybutyrate (BHBA)	13.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum, EDTA plasma, or heparinized plasma	Red top (non-anticoagulant), green top (heparin) tube, or purple top (EDTA tube)	Refrigerate. Ship overnight in insulated container with freezer pack.
See Test Info and Protocols for more information. Test reference ranges can be found at <a href="#">Clinpath Reference Intervals</a> . For test interpretation, refer to <a href="#">eclinpath.com</a>							
Bethesda Unit Assay	52.00	Comparative Coagulation	M	1 wk	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate. Ship in insulated container with ice pack.
Bethesda units/mL: measure of factor inhibitory activity Ship Overnight. For additional info see <a href="#">Submission Guidelines</a> or <a href="#">Comp Coag web page</a>							
Bicarbonate	9.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
See <a href="#">Eclinpath</a> for more information							
Bile Acids, Fasting Panel	24.00 /sample	Clinical Pathology	M-Sa	1-2 days	1 - 2 mL separated serum, each sample	Red top (non-anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Fasting Panel Clearly mark "Fasting" on sample. Lipemia (falsely increases) and hemolysis (falsely decreases) interfere with bile acid measurement through optical interference. Efforts should be made to minimize these (by not feeding too large a meal and by separating serum from cells as soon as possible). For test interpretation, refer to <a href="#">eclinpath.com</a> . See Test Info and Protocols for more information							
Bile Acids, Post-Prandial Panel	24.00 /sample	Clinical Pathology	M-Sa	1-2 days	1 - 2 mL separated serum, each sample	plain glass or plastic tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Post-Prandial Panel  For test interpretation, refer to <a href="#">eclinpath.com</a> See Test Info and Protocols for more information							
Bile Acids, Random Panel	24.00 /sample	Clinical Pathology	M-Sa	1-2 days	1 - 2 mL separated serum, each sample	Red top (non-anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Lipemia (falsely increases) and hemolysis (falsely decreases) interfere with bile acid measurement through optical interference. Efforts should be made to minimize these (by not feeding too large a meal and by separating serum from cells as soon as possible). For test interpretation, refer to <a href="#">eclinpath.com</a> See Test Info and Protocols for more information							
Bilirubin Panel (total, direct, indirect)	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
Includes Total, direct, and indirect bilirubin. For test interpretation, refer to <a href="#">eclinpath.com</a> See Test Info and Protocols for more information. Test reference ranges can be found at <a href="#">Clinpath Reference Intervals</a> .							
Bilirubin, Total	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid;	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Test reference ranges can be found at <a href="#">Clinpath Reference Intervals</a> For test interpretation, refer to <a href="#">eclinpath.com</a>							

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Blood Culture, Aerobic  For the isolation of aerobic bacteria in blood. Blood culture medium should be inoculated immediately when blood is drawn. See Blood Culture Technique for instructions. If the blood culture media used is not the VersaTrek EZ® Draw® REDOX 1® product, turn around time may be delayed due to inability to take full advantage of enhanced incubation characteristics of the VersaTrek® incubator system. See TREK Diagnostic Systems. The media is available from our diagnostic supply center. Submissions of 3 consecutive draws are recommended. Antimicrobial Susceptibility (MIC) are not included in the fee. See also Foal Diarrhea/Septicemia Kit. *May qualify for New York State contract pricing.	30.00 /sample	Bacteriology	M-F	5-10 days	Whole blood in blood culture medium	40 ml VersaTrek EZ® Draw® REDOX 1® aerobic blood culture bottle	Do NOT Refrigerate
Blood Culture, Anaerobic  For the isolation of anaerobic bacteria in blood. Blood culture medium should be inoculated immediately when blood is drawn. See Blood Culture Technique for instructions. If the blood culture media used is not the VersaTrek EZ® Draw® REDOX 2® product, turn around time may be delayed due to inability to take full advantage of enhanced incubation characteristics of the VersaTrek® incubator system. See TREK Diagnostic Systems. The media is available from our diagnostic supply center. Submissions of 3 consecutive draws are recommended. Antimicrobial Susceptibility (MIC) are not included in the fee. See also Foal Diarrhea/Septicemia Kit. *May qualify for New York State contract pricing.	30.00 /sample	Bacteriology	M-F	5-10 days	Whole blood	40 ml VersaTrek EZ® Draw® REDOX 2® anaerobic blood culture bottle	Do NOT Refrigerate
Blood Smear Evaluation  Manual WBC differential, WBC morphology, RBC morphology, platelet estimate, parasite check Flags for Clinical Pathologist Review of CBCs	17.00	Clinical Pathology	M-Sa	1-2 days	1-2 unfixed, unstained blood smears prepared at the time of sample collection	1) Purple top (EDTA) tube, 2) Ship slides in a plastic or cardboard slide holder to prevent from breaking in transit.	Refrigerate blood; ship in insulated container with freezer pack for next day delivery. Hold slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
Blood Smear Evaluation, Non-Mammalian  Manual WBC differential, WBC morphology, RBC morphology, platelet estimate, parasite check	18.00	Clinical Pathology	M-Sa	1-2 days	2 dry (unfixed, unstained) blood smears	frosted-end slides	Room temp. Do not refrigerate slides. Protect from chilling during shipment with insulation.
Bluetongue Virus (BTV) AGID  Agarose gel immuno-diffusion. Acceptable species: Ruminant Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	6.25 /sample	Virology	M-Th	2-4 days	1 ml serum, plasma is not an acceptable sample for this test	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bluetongue Virus (BTV) c-ELISA  Enzyme linked Immuno- assay. Acceptable species: Ruminant Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	6.25 /sample	Virology	Tu, Fr	2-4 days	1 ml serum, plasma is not an acceptable sample for this test	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bluetongue virus real-time PCR  Test under development THIS TEST FOR INTERNAL USE ONLY.	36.75	Molecular Diagnostics	M-F		EDTA blood, spleen, lymph node, lung, liver, swabs of vesicles or erosions	Leak-proof container	Refrigerate. Ship in insulated container with ice pack

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 \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.



# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bone Marrow Cytology	60.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) At least 4-10 dry (unfixed, unstained) bone marrow smears	Ship slides in a plastic or cardboard slide holder to prevent from breaking in transit.	Hold at room temperature; DO NOT refrigerate smears; protect from chilling during shipment with insulation.
<p>Report includes – Specimen type and site (provided by submitter), Smear description (overall cellularity, assessment of all hematopoietic lineages, other cellular components and marrow iron by Prussian blue staining), Smear interpretation. Interpretation of bone marrow smears requires a recent CBC (within 24-48 hours). All bone marrow samples without a recent CBC should be accompanied by an EDTA blood sample with 2 blood smears and a CBC should be requested (use 'Other diagnostic tests requested' field to the right of the Clinical Summary field to request a CBC). Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing For test interpretation, refer to eclinpath.com For instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a></p>							
Bordetella PCR	36.75	Molecular Diagnostics	M-F as needed	2-3 days	pharyngeal swab; Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.	Clean screw-topped container	Refrigerate. Ship in insulated container with ice pack.
<p>This assay detects Bordetella DNA through DNA amplification Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Bovine Abortion Serology Panel	61.50 per single sample	Multiple Sections			Maternal serum	red top blood collection tube	ship chilled
<p>Tests included in this panel are: Bovine Virus Diarrhea Virus (BVDV) SN, Type 1; Brucella card agglutination; Infectious Bovine Rhinotracheitis (IBR) (BHV-1) kinetic ELISA; Leptospira MAT, 5 standard serovars; Neospora IFA. Bovine abortion Serology Plan Selenium on maternal EDTA whole blood should be ordered separately using test code XBASPS. When acute and convalescent samples are/will be collected, for most serology assays they should always be tested in parallel, and paired results interpreted. If acute samples are submitted alone please indicated if all tests should be performed. If second, convalescent samples are later submitted, tests on both samples will be run in parallel and fees for both samples will be charged. To avoid testing acute samples twice, hold and submit with convalescent samples. If convalescent samples will not be collected, or when infectious abortion is strongly suspected due to history, immediate testing of acute sample may be warranted. For more information, please see Bovine Diagnostic Plans/Panels.</p>							
Bovine Abortion Serology Panel + Selenium	89.50	Multiple Sections	M-F	5-9 days	Maternal serum (separated) and maternal EDTA whole blood (LTT)	Red top and lavender top blood collection tubes	Refrigerate. Ship in insulated container with ice packs.
<p>This Panel includes: Bovine Virus Diarrhea Virus Type 1 serum neutralization, Brucella card agglutination, Infectious Bovine Rhinotracheitis (IBR,BHV-1) kinetic ELISA, Leptospira MAT 5 standard serovars, Neospora IFA and whole blood Selenium.</p>							
Bovine Abortion Virus Isolation	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Placenta; 2) Fetal tissues (Lung, kidney, liver, adrenal, spleen)	Sealable plastic bag or container	Ship in insulated container with ice packs
<p>Includes: BVDV, BHV-1 + Unknowns</p>							
Bovine Adenovirus FA	25.00 /animal	Virology	M-F	2-4 days	1) Tracheal wash, broncho-alveolar lavage; 2) Upper airway tissue, lung	1) Leakproof container; 2) Sealable plastic bag or container	Ship in insulated container with ice packs.
<p>Fluorescent antibody Nasal or pharyngeal swabs are only appropriate for virus isolation</p>							
Bovine Coronavirus (BCV) FA	25.00 /animal	Virology	M-F	2-4 days	1) Ileum, jejunum, cecum; 2) Nasal swab, pharyngeal swab; 3) Tracheal wash, broncho-alveolar lavage; 4) Upper airway tissue, lung	1) Sealable plastic bags or container; 2) Swabs in Viral Transport medium; 3) Leakproof container; 4) Sealable plastic bag or container	Ship in insulated container with ice packs.
<p>Flourescent antibody If Viral Transport media is unavailable, put swabs into a red top tube with a few drops of saline.</p>							
Bovine Coronavirus PCR	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) Feces; 2) Fecal swab 3) Intestinal tissue 4) Nasal swab; 5) Lung tissue	1) unbreakable leak-proof container; 2) Red top tube; 3) leakproof container; 4) Red top tube, 5) Leakproof container	Refrigerate
<p>The beta coronavirus PCR employed by the AHDC will detect canine respiratory coronavirus, camelid enteric coronavirus, equine enteric coronavirus and the respiratory and enteric coronaviruses of cattle. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a seperate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bovine Diarrhea, Adult (Acute) Diagnostic Plan  Tests included in this Plan are: Beta Coronavirus PCR, Bovine Virus Diarrhea Virus Isolation, Quantitative Fecal Analysis, Johne's Fecal PCR, Salmonella Culture. Antibiotic susceptibility is not included in the plan.	153.75	Multiple Sections	M-F	Up to 30 days. Results reported as they are available	(1) Fresh Feces (20 g) AND (2) EDTA whole blood2 (LTT).	(1) leak-proof container and ParaPak® transport media; AND (2) lavender top blood collection tube	Refrigerate and ship in insulated container with ice packs
Bovine Diarrhea, Adult (Chronic) Diagnostic Plan  Testing included in plan are: Bovine Diarrhea Virus Antigen Capture ELISA, Quantitative Fecal Analysis, Johne's Fecal PCR, Salmonella Culture	89.25	Multiple Sections	M-F	7-10 days. Results will be released as testing is completed	1) Fresh feces in leak-proof container (20 g) AND 2) Serum (separated) or ear notch.	1) leak-proof container and ParaPak® transport media to assist with Salmonella recovery; 2) Red top blood collection tube or sterile container	Refrigerate. Ship in insulated container with ice pack.
Bovine Diarrhea, Calf (Acute) Diagnostic Plan; Ante mortem  This panel, for testing samples from live animals, includes: Aerobic bacterial culture (NO sensitivity included); Anaerobic bacterial culture; Beta Coronavirus PCR; Bovine Virus Diarrhea Virus (BVDV) Antigen Capture ELISA; Clostridium perfringens Enterotoxin; Fecal quantitative, if = 3 days old; Rotavirus Antigen Detection, Group A; Salmonella culture; Bovine Virus Diarrhea Virus (BVDV) PCR Additional charges will be added for antimicrobial susceptibilities. For more information, please see Bovine Diagnostic Plans and Panels.	289.00 or more.	Multiple Sections	Mon - Fri		(1) Fresh feces; (2) Frozen feces; (3) Fecal swab; (4) EDTA whole blood; (5) Fresh ear notch; (6) Feces for Salmonella culture	(1,2) Leak-proof container; (3) Anaerobic transport medium; (4) Lavender topped blood tube; (5) Plastic tube; (6) ParaPak transport media	Keep frozen samples frozen and refrigerate all samples EXCEPT for anaerobic transport media and ParaPak® samples which should be kept at room temperature.
Bovine Herpesvirus-1 (BHV-1) (IBR) FA  Fluorescent antibody Nasal or pharyngeal swabs are only appropriate for virus isolation and PCR	25.00 /animal	Virology	M-F	2-4 days	1)Tracheal wash, broncho-alveolar lavage; 2) Lung tissue; 3) Fetal tissues (Lung, liver, kidney, spleen, adrenal; 4) Placenta	1) Leakproof container; 2,3,4) Sealable plastic bag or container	Ship in insulated container with ice packs.
Bovine Herpesvirus-1 (BHV-1) (IBR) Virus Isolation  Virus Isolation If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Lung tissue; 4) Fetal tissues (Lung, liver, kidney, spleen, adrenal; 5) Placenta	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3, 4, 5) Sealable plastic bag or container	Freezer Packs
Bovine Herpesvirus-2 (BHV-2) (Mammilitis) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	1) Fresh skin, teat or udder lesions	1) Tissue in a few drops of saline in leakproof container, or in Viral Transport Medium	Ship in insulated container with ice packs.
Bovine Herpesvirus-2 (BHV-2) (Mammilitis) IFA  Indirect fluorescent antibody Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	16.50	Virology	M-F	3 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Herpesvirus-2 (BHV-2) (Mammilitis) Isolation  Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Fresh skin, teat or udder lesions; 2) Vesical fluids	1) Viral transport medium; 2) Undiluted in sterile tube	Ship in insulated container with ice packs.
Bovine Herpesvirus-2 (Mamm) SN  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	16.50 /sample	Virology	As needed	5-9 days	2 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bovine Herpesvirus-4 (BHV-4) IFA (DN-599)  Indirect fluorescent antibody Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	16.50 /sample	Virology	M-F	3 days	2 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Herpesvirus-4 (BHV-4) SN (DN-599)  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	16.50	Virology	As needed	8 days	2 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Leukosis Virus (BLV) AGID  Agarose gel immuno-diffusion. Acceptable species: Bovine This test is maintained for regulatory/export testing purposes or to assist in evaluating potential false positive results on other testing. The default test used at the AHDC for Bovine Leukosis Virus serology testing in cows is the Bovine Leukosis Virus ELISA test. Accessions requesting this AGID test must provide the reason for selecting the AGID test or they will automatically be tested using the ELISA assay. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	6.00	Virology	M-Th	2-4 days	1 mL serum or plasma	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Leukosis Virus (BLV) ELISA  Enzyme linked Immuno-assay. Acceptable species: Bovine Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	6.00	Virology	2x/wk	2-4 days	1 ml serum, plasma is not an acceptable sample for this test	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Metabolic Panel  BHBA, NEFA, UN, Albumin, AST, Cholesterol, Triglycerides Includes NEFA, BHBA, AST, ALB, and BUN; for additional info see Clin Path panels Test reference ranges can be found at Clinpath Reference Intervals.	30.50	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum	plain glass or plastic tube	Refrigerate
Bovine Papular Stomatitis Virus IFA  Indirect fluorescent antibody Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	16.50 /sample	Virology	M-F	3-9 days	2 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Parainfluenza-3 (BPIV-3) Virus FA  Fluorescent antibody Nasal or pharyngeal swabs are only appropriate for virus isolation	25.00 /animal	Virology	M-F	2-4 days	1) Tracheal wash, broncho-alveolar lavage; 2) Upper airway tissue, lung	1) Leakproof container; 2) Sealable plastic bag or container	Freezer Packs
Bovine Parainfluenza-3 (BPIV-3) Virus Isolation  Virus Isolation If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Freezer Packs
Bovine Parainfluenza-3 (BPIV-3) Virus SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	14.50 sample	Virology	F	10-14 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Parvovirus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh jejunum, ileum	Sealable plastic bag or container	Ship in insulated container with ice packs.
Bovine Pinkeye Diagnostic Plan  Tests included are: Aerobic culture (1 sensitivity included); Bovine Herpesvirus-1 (BHV-1) (Infectious Bovine Rhinotracheitis) FA; Mycoplasma culture	120.00 price	Multiple Sections			1) Conjunctival swab in aerobic transport media (Amies w/out charcoal) and 2) Conjunctival scraping on glass slide and air dried	1) Amies transport media w/out charcoal; 2) glass slide in slide holder	1) Ship swab chilled; 2) Slide at room temperature.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bovine Respir Syncytial Virus (BRSV) FA  Fluorescent antibody Nasal or pharyngeal swabs are only appropriate for virus isolation	25.00 /animal	Virology	M-F	2-4 days	1) Tracheal wash, broncho-alveolar lavage; 2) Upper airway tissue, lung	1) Leakproof container; 2) Sealable plastic bag or container	Ship in insulated container with ice packs.
Bovine Respir Syncytial Virus (BRSV) SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	14.50 /sample	Virology	W	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Respiratory Disease Virus Isolation  Includes: BRSV, BHV-1, BPIV-3, BVDV, BCoV, Bov. Adeno + Unknowns Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated containers with ice packs
Bovine Respiratory Syncytial virus PCR  This assay detects nucleic acid or the genetic material of the virus	36.75	Molecular Diagnostics	M - F	2-3 days	Nasal swab, trans-tracheal wash, lung, trachea	Red top tube with saline or leak proof screw top container	Refrigerate
Bovine Rotavirus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh small intestine	Sealable plastic bag or container	Ship in insulated container with ice packs.
Bovine Rotavirus real-time PCR  This test is intended primarily for research applications at this time. Please contact the lab for volume discounts.	36.75	Molecular Diagnostics	M-F	3-5 days	Feces or intestinal tissue	Sealed vial in a secondary container	Refrigerate. Ship in insulated container with ice pack.
Bovine Virus Diarrhea Virus (BVDV) Ag Capture ELISA (ACE)  Antigen Capture ELISA The current ACE test has been validated for use with 1mm diameter ear punch samples in addition to the standard large biopsy specimens. However, the volume of sample buffer must be restricted to 0.25 ml with the small specimens as compared to the volume (2 ml) for the standard skin biopsies. If you are planning to submit small biopsy specimens, contact the lab for instructions. Small biopsies submitted in 2 ml buffer volumes must be rejected for testing and there will be no exceptions. If you have any doubt about the acceptability of the sample size, remove the sample buffer from the AHDC sample tubes and submit the sample in the dry tube. An additional processing fee of \$1.00/sample will be charged for ear notch samples that are not submitted in a container that can be directly used to conduct the test. The AHDC does supply collection tubes at cost. See suitable collection containers below. Ear notches placed in plastic bags are not acceptable for processing for the test. As with all tests for PI animals, the ACE test will occasionally detect an acutely infected animal. Accordingly, all test positive animals should be retested > 2 weeks from the initial sampling to verify PI status. The AHDC will continue to offer these retests at no charge if we tested the previous sample. For more information on BVD testing in cattle, please see the fact sheet, Testing Options for Detection of Individual Bovine Virus Diarrhea Persistently Infected (BVD PI) Animals.	5.50 /sample	Virology	2x/wk	2-4 days	NO POOLED SAMPLES OF ANY KIND 1) 1 mL serum, must be at least 61 days old; 2) milk, any age; 3) fresh ear-notch/skin biopsy (i.e., NOT fixed), any age. Acceptable species: Bovine	1) ice packs preferred; 2,3) Ship in insulated container with ice packs	1) No coolant; 2,3) Ship in insulated container with ice packs.
Bovine Virus Diarrhea Virus (BVDV) Bulk Tank Milk PCR  Includes BVD PCR and BVD virus isolation Ship Overnight -- do not freeze! Arrange for M-Th delivery -- maximum 400 animals. For more information see Bulk Milk Tank Testing for the Detection of BVD Persistently Infected Cows. This service is performed pursuant to an agreement with Roche Molecular Systems.	63.00	Molecular Diagnostics	M-F as needed	2-3 days	bulk tank milk: see comment (min. 200 mL)	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice pack. DO NOT freeze
Bovine Virus Diarrhea Virus (BVDV) FA  Fluorescent antibody. Detects BVDV types 1 and 2	25.00 /animal/virus	Virology	M-F	2-4 days	1) Fresh esophagus, Peyer's patch, mesenteric lymph nodes; 2) Fetal tissues (lung, kidney, heart, spleen); 3) Placenta	Sealable plastic bag or container	Ship in insulated container with ice packs.
Bovine Virus Diarrhea Virus (BVDV) Genotyping  Ship Overnight - Do not freeze! Contact laboratory with questions.	63.00	Molecular Diagnostics	M-F as needed	5 - 7 days	1) EDTA blood (min. 5 mL); 2) serum, plasma, or isolate in cell culture (min. 2 mL); 3) milk (min. 50 mL individual cow	Unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice pack. DO NOT freeze

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bovine Virus Diarrhea Virus (BVDV) Isolation  Virus isolation. Detects BVDV types 1 and 2 Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Fresh tissue lesions, esophogus, mesentary lymph nodes, Peyer's patches, spleen, kidney; 2) Fetal tissues, (lung, kidney, heart, spleen); 3) Whole blood	1) Sealable plastic bag or container; 2) Sealable plastic bag or container; 3) Purple top EDTA blood tube	Ship in insulated container with ice packs.
Bovine Virus Diarrhea Virus (BVDV) PCR  Preferred test on whole blood for acute BVD illness; also used for herd screening for BVD PI For animals less than 61 days old, EDTA whole blood is required! POOLED BVD PCR testing will be done - if appropriate - on multiple blood samples submitted for detection of BVDV Persistently Infected (PI) animals unless INDIVIDUAL BVD PCR is indicated. For additional info on pooling, see Appendix I: Pooled Samples for BVD PCR. See also samples for Cattle and samples for Camelids. STAT testing is available. Please see Molecular Diagnostic STAT policy This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood, plasma, serum (min. 2 mL): see comment for age limitations; 2) tissue (min. 5 g); 3) milk (min. 1 ml/cow) NOTE: see comment regarding POOLED BVD PCR testing on multiple blood samples	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice pack. DO NOT freeze
Bovine Virus Diarrhea Virus (BVDV) Serum Isolation  Virus Isolation	22.00 /animal	Virology	M-F	10 days	2 mL serum	red top blood collection tube	Refrigerate. Ship in insulated container with ice pack
Bovine Virus Diarrhea Virus (BVDV) SN, Type 1  Serum neutralization, BVDV type 1 Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	14.50 /sample	Virology	M, Th	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Virus Diarrhea Virus (BVDV) SN, Type 2  Serum neutralization, BVDV type 2 Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	14.50 sample	Virology	M, Th	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Bovine Virus Diarrhea Virus (BVDV) Whole Blood Isolation  Virus Isolation For acute disease or to test calves less than 3 months. This test can be used for detection of individual BVD Persistently Infected (PI) animals. See also testing options for BVD Persistently Infected Cattle and Camelids	27.50	Virology	M-F	14 days	5 ml EDTA whole blood	lavender top tube	Refrigerate, ship in insulated container with ice pack
Bromide  Test therapeutic bromide concentration	44.00	Toxicology	Tu, Th	3 days	2 mL serum	red top blood collection tube; plastic vial or tube. No gel clot	Refrigerate. Ship in insulated container with ice pack.
Bronchoalveolar Lavage Count Cytology (smear exam and count: 56.00  Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation, respiratory Please also submit 2-3 freshly prepared smears of the BAL fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing	56.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) BAL fluid in EDTA AND 2) Smears (at least 2-3 unstained smears preferred); 3) Also submit a red-top tube if culture is anticipated	1) Purple top (EDTA) tube, 2) Ship slides in a plastic or cardboard slide holder to prevent from breaking in transit.	Refrigerate. Ship in insulated container with freezer pack for next day delivery. Hold slides at room temperature; protect slides from chilling/coolant by insulating separately during shipment.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bronchoalveolar Lavage Cytology (smear exam only)	48.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) Smears (at least 2-3 unstained smears preferred); and/or 2) BAL fluid in EDTA (no cell counts provided); 3) Also submit a red-top tube if culture is anticipated.	1) Purple top (EDTA) tube, 2) Ship slides in a plastic or cardboard slide holder to prevent from breaking in transit, 3) red top if culture anticipated	Refrigerate fluids only. Ship in insulated container with freezer pack for next day delivery. Hold slides/smears at room temperature; protect from chilling/coolant by insulating separately during shipment
<p>Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation                      With fluid samples of BAL, please also submit 2-3 freshly prepared smears and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing</p>							
Brucella canis Culture	27.50 /sample	Bacteriology	M-F	5-10 days	1) Whole blood in aerobic blood culture bottle; 2) Abortion: Fetal stomach contents, lung; placenta; 3) Female: vaginal discharge, uterine tissue; 4) Male: semen, testicular tissue; 5) Aseptically collected swab of 2-4.	1) 40 ml VersaTrek EZ® Draw® REDOX 1® aerobic blood culture bottle*; 2-4)sealed sterile separate containers; 5)Swab in Amies transport media	1) DO NOT refrigerate; 2-5) Refrigerate, DO NOT freeze
<p>Canine only. For the isolation of Brucella canis only.                      Blood culture medium should be inoculated immediately when blood is drawn. See Blood CultureTechnique for instructions.If the blood culture media used is not the VersaTrek EZ® Draw® REDOX 1® product, turn around time may be delayed due to inability to take full advantage of enhanced incubation characteristics of the VersaTrek® incubator system. See TREK Diagnostic Systems. *Blood culture bottles, (see Transport Media for Diagnostic Sampling) may be purchased from our Supply Center using the Supply Request Form. Submissions of 3 consecutive draws are recommended.Antimicrobial susceptibilities are not applicable. Refer to Canine Abortion/fading puppy Diagnostic Plan for abortion submissions.</p>							
Brucella Card Agglutination	3.50 /animal	Brucellosis	M-F	1-4 days	1) 2 mL serum; 2) clotted whole blood	1-2) red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
<p>Non-canine                      This test will not reliably detect Brucella ovis, Brucella mellitensis, Brucella canis, or Brucella suis. It is intended as a screening test for the detection of antibodies against Brucella abortus.</p>							
Brucella Culture, non-canine	25.00 /sample	Bacteriology	M-F	5-14 days	Affected tissue, lesion or fluid aspirate	Amies transport media (swab) or sealed sterile containers	Refrigerate. Ship in insulated container with ice pack.
<p>For the isolation of Brucella species only.                      *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not applicable. Refer to Brucella canis Culture for canine submissions.</p>							
Brucella Fluorescence Polarization Assay (FPA)	4.00	Bacteriology	M - F	1 - 2 days	100 ul Serum, plasma, whole blood	Red top blood collection tube, serum separator tube	Refrigerate
<p>Designed to meet export, and interstate shipping requirements where requested. For canines, see Canine Brucella in the Bacteriology section</p>							
Brucella Fluorescence Polarization Assay (FPA) Tube Test	4.00	Bacteriology	M - F	1 - 2 days	100 ul Serum, plasma, whole blood	Red top blood collection tube, serum separator tube	Refrigerate
<p>Designed to meet export, and interstate shipping requirements where requested; for canines, see Canine Brucella in the Bacteriology section.</p>							
Bulk Milk Aerobic Culture	15.00 in state; \$20.00 out of state.	Quality Milk Production Services	M-F	48 hours	1-15 ml Milk or Water	Clean, sealed container	Refrigerate or freeze sample. Ship in insulated container with ice pack.
<p>no preservative</p>							
Cache Valley Fever Virus SN	14.50 sample	Virology	As needed	7 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Serum Neutralization                      Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							
Cadmium (Atomic Absorption Spectroscopy - Graphite Furnace)	35.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
<p>Calcium</p> <p>Measures total calcium in serum, plasma and fluids. See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>	11.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
<p>Calcium, urine</p> <p>Measures total calcium levels in urine.</p>	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>Camelid Diarrhea Diagnostic Plan</p> <p>This plan includes Beta Coronavirus PCR, Fecal Quantitative, Johne's AGID and Salmonella Culture For more information, Please refer to Camelid Diarrhea Diagnostic Plan</p>	95.75	Multiple Sections			(1,3) Fresh feces; (2) Serum (separated)	(1) Leak-proof container; (2) Red top blood collection tube; (3) ParaPak® transport media for fecal sample to aid Salmonella recovery	Except for ParaPak, store refrigerated and ship chilled overnight to lab in insulated container with frozen ice packs. ParaPak® transport media should be maintained at room temperature
<p>Camelid Enteric Coronavirus PCR</p> <p>The beta coronavirus PCR employed by the AHDC will detect canine respiratory coronavirus, camelid enteric coronavirus, equine enteric coronavirus and the respiratory and enteric coronaviruses of cattle. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) Feces; 2) Fecal swab 3) Intestinal tissue	1) unbreakable leak-proof container; 2) Red top tube; 3) leakproof container	Refrigerate
<p>Camelid Liver Panel (Large Animal Liver Panel + NEFA)</p> <p>Panel includes: AST; SDH; GGT; GLDH; Non-esterified Fatty Acid (NEFA); Total/Direct/ Indirect Bilirubin; Total Protein; Albumin; Globulin; A/G Ratio; CK; Triglycerides For more information, please see Camelid Diagnostic Plans/Panels. Test reference ranges can be found at Clinpath Reference Intervals.</p>	38.00	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Ship chilled
<p>Camelid Pinkeye Diagnostic Plan</p> <p>Tests included are: (1)Aerobic bacterial culture, (2) Chlamydomphila PCR, (3) Mycoplasma culture For PCR testing, submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. *May qualify for New York State contract pricing . For more information, please see Camelid Diagnostic Plans/Panels</p>	103.75	Multiple Sections			Conjunctival swab in aerobic transport media (Amies w/out charcoal) AND conjunctival swab in sterile tube with 0.5 ml saline to keep moist (not wet).		Ship chilled
<p>Camelid Respiratory Disease Virus Isolation</p> <p>Includes: BRSV, BVDV, BPIV-3, BCV, Cam. Adeno., Coronavirus + Unknowns Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.</p>	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Freezer Packs

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Campylobacter fetus FA	16.00 /sample	Bacteriology	Tuesday and Friday	3-4 days	1) Bovine preputial wash, vaginal wash, or cervical mucus**; 2) Caprine, Ovine, Camelid fetal liver, placenta/cotyledon or abomasal contents***	1) Lactated Ringer's Solution (see Comment**); 2) Separate sealed containers (sterile preferred), red-top tube for abomasal content	1) Refrigerate and deliver same day as collection in insulated container with ice packs - do not freeze; 2) Refrigerate and deliver same day or ship overnight in insulated container with ice packs
<p>For the detection of Campylobacter fetus in ruminants by fluorescent antibody stain.                      May qualify for New York State contract pricing. Please consider using the: Ovine Abortion Plan, Caprine Abortion Plan or Camelid Abortion Plan for abortion submissions.                      **This test is only for diagnostic purposes and is not available for Regulatory testing requirements (refer to Campylobacter fetus Culture). Samples must be submitted and received in the laboratory within 6-8 hours of collection and placed in an insulated container under refrigerated conditions and protected from light during transport. <b>Submissions not fulfilling these requirements will not be tested.</b> Lactated Ringer's solution is available for purchase. See also collection instructions for bulls and cows.                      ***Abortion samples should be refrigerated immediately and submitted to the laboratory within 24 hours, preferably same day whenever possible. Detection of Campylobacter fetus 24 hours or more post mortem may not be possible.</p>							
Campylobacter jejuni Culture	25.00 /sample	Bacteriology	M-S	3-5 days	1) Fresh feces or intestinal contents; 2) ligated loop of intestine; 3) Placenta (preferred) or fetal liver for small ruminant and camelid abortion cases; 4) Swab of 1 or 2	1-3) Sealed sterile separate containers (sterile preferred); 4) Swab in Amies transport media (w/charcoal preferred)	1-2) Refrigerate
<p>For the isolation of Campylobacter jejuni.                      Test is also part of the Enteric Panel 2 and Enteric Panel 3. Antimicrobial susceptibilities are not applicable. Recent data has shown a dramatic shift among the species of Campylobacter involved in small ruminant and camelid abortion cases. Increases have been documented in the incidence of Campylobacter jejuni abortions with research showing that it has now replaced Campylobacter fetus subsp. fetus as the predominant cause of sheep abortions in the United States. We will continue to offer fluorescent antibody (FA) testing for Campylobacter fetus subsp. fetus, however the culture has been discontinued and replaced with Campylobacter jejuni culture.</p>							
Canine Abortion/Fading Puppy Serology Diagnostic Plan	156.00 single sample	Multiple Sections			Maternal serum (separated).	red top collection tube	Ship chilled
<p>Test included are:                      Canine Brucella Slide Agglutination/AGID II; Canine Herpesvirus SN; Leptospira MAT, 5 standard serovars; Neospora IFA; Toxoplasma gondii IgG ELISA; T4; Free-T4 (two step); TSH                      For paired serum samples, only one thyroid panel is ordered. When acute and convalescent samples are/will be collected, for most serology assays they should always be tested in parallel, and paired results interpreted. If convalescent samples are later submitted, tests on both samples will be run in parallel and fees for both samples will be charged. To avoid testing acute samples twice, hold and submit with convalescent samples. If convalescent samples will not be collected, or when infectious abortion is strongly suspected due to history, immediate testing of acute sample may be warranted. In unvaccinated animals may also want to consider Canine Adenovirus (CAV) SN, Canine Distemper Virus (CDV) SN, and Canine Parvovirus (CPV-2) HI. Additional test costs would apply. For additional information, please see Canine Diagnostic Plans/Panels.</p>							
Canine Adenovirus (CAV) FA	25.00 /animal	Virology	M-F	2-4 days	Fresh liver, lung, kidney	Sealable plastic bag or container	Ship in insulated container with ice pack
<p>Fluorescent antibody</p>							
Canine Adenovirus (CAV) Isolation	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Fresh liver, lung, kidney; 2) Urine	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
<p>Virus Isolation                      Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.</p>							
Canine Adenovirus PCR	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Nasal swab, pharyngeal swab, urine	Commercial virus transport media or red top tube with a few drops of saline	Refrigerate
<p>Assay detects virus RNA by amplification using the polymerase chain reaction                      Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.                      This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Canine Adenovirus-1 (CAV) (Inf Can Hep) SN	16.50 /sample	Virology	Th	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Serum neutralization                      Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							
Canine Adenovirus-2 SN	16.50 /sample	Virology	Th	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Serum neutralization                      Please contact lab for explanation of this test before submitting samples. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.</p>							

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Canine Blood Typing, DEA 1.1  Do NOT freeze whole blood samples, Ship Overnight	31.00	Comparative Coagulation	M-F	same day	1 to 3 mL EDTA whole blood	lavender top tube in styrofoam box	Refrigerate/ship on cold pack
Canine Brucella Slide Agglutination/AGID II For the detection of Brucella canis antibody by microagglutination and AGID. Both tests are included in the testing fee and are not run separately. Please indicate any previous testing at the AHDC for accurate test result interpretations.	29.00	Bacteriology	M-F	1-2 days	Serum	Red top blood collection tube	Refrigerate
Canine Coronavirus (CCV) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh ileum, jejunum, cecum	1) Sealable plastic bag or container	Ship in insulated container with ice pack
Canine Coronavirus (CCV) Isolation  Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Fresh ileum, jejunum, cecum; 2) Feces	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
Canine Coronavirus (CCV) SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	Tu	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Canine Distemper (CDV) Virus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	1) Fresh lung, bladder, cerebellum; 2) Air dried conjunctival smear; 3) Skin biopsy	1,3) Sealable plastic bag or container; 2) Slide mailer	1,3) Ship in insulated container with ice pack; 2) no coolant
Canine Distemper (CDV) Virus SN  Serum Neutralization Testing serum in parallel with CSF is recommended for purposes of interpretation; this will incur an additional fee. Paired serum samples needed for optimal diagnostic testing. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. For more information and titer graph, please see Canine Distemper Virus Antibody Neutralization Test Data	16.50 /sample	Virology	W, F	5-9 days	1) 1 mL serum; 2) CSF (see comments)	1) red top blood collection tube; 2) sterile container	It is recommended to ship samples with an ice pack.
Canine Distemper PCR  The test is designed to identify canine distemper virus (CDV) in dogs and other carnivores with acute respiratory disease. It uses the RT-qPCR molecular method to amplify and detect a short region from the nucleocapsid (N) gene of CDV. tests virus RNA through molecular amplification Canine distemper virus infection can cause severe clinical illness and mortality in domestic and wild canids, raccoons, skunks, and some wild felids. This assay is also part of the canine respiratory disease complex panel. Additional commonly identified pathogens in dogs with respiratory disease include Canine adenovirus 5, canine respiratory coronavirus (beta Coronavirus), canine pneumovirus, canine influenza virus, and mycoplasma cynos, canine influenza virus and Bordatella bronchiseptica and canine parainfluenza virus 5. Swabs in bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	5 ml urine, 1 g tissue, 1 swab	Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation in in commercial virus transport media. Bacterial transport medias are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. Submit urine or tissues in a screw topped vial.	Refrigerate. Ship overnight on ice packs.
Canine Enteric Coronavirus PCR  The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. For species specific testing information please see Coronavirus PCR Guidelines. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) tissue (min. 5 g); 2) ascites or body fluid (min. 2 mL); 3) feces (min 5 g)	unbreakable, leak-proof container	Refrigerate

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Canine Enteric Disease Virus Isolation  Includes: CPV-2, CCV + Unknowns Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Ileum, jejunum, cecum; 2) Feces	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
Canine Herpesvirus 1 PCR  Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2 days	1) ocular or nasal swab; 2) tissue, min. 1-2 g (trachea, lung, brain, lymph nodes, kidney)	unbreakable, leak-proof container	Refrigerate
Canine Herpesvirus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh lung, liver, adrenal, kidney, lymph nodes	Sealable plastic bag or container	Ship in insulated container with ice pack
Canine Herpesvirus Isolation  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Fresh lung, liver, adrenal, kidney, lymph nodes; 2) Nasal swab, pharyngeal swab; 3) Tracheal wash, broncho-alveolar lavage; 4) Upper airway tissue, lung	1) Sealable plastic bag or container; 2) Swabs in viral transport medium; 3) Leakproof container; 4) Sealable plastic bag or container	Ship in insulated container with ice pack
Canine Herpesvirus SN  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation. For more information and titer graph, please see Canine Herpesvirus Antibody Neutralization Test Data	16.50 /sample	Virology	Tu	5-9 days	250 ul serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Canine Influenza Virus H3N2 HI Testing If you order Canine Influenza Virus HI H3N8 - CIVHI , you will receive an HI titer against the H3N8 influenza virus. In addition, at no additional charge, you will also receive a separate result for the HI titer against the H3N2 virus that began circulating in dogs in the Chicago area circa March 2015. Please see Canine Influenza Virus HI H3N8 - CIVHI for sample information	0.00	Virology	As needed				
Canine Influenza Virus HI H3N8  Hemagglutination Inhibition Test (antibody detection) specific for H3N8 virus. Automatically paired with HI test for H3N2 at no additional charge. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation. If you order this test, you will receive an HI titer against the H3N8 influenza virus. In addition, at no additional charge, you will also receive a separate result for the HI titer against the H3N2 virus that began circulating in dogs in the Chicago area circa March 2015.	22.00 /sample	Virology	Thursday	3-7 days	250 ul serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Canine Influenza Virus Matrix PCR  This PCR assay will detect H3N8 influenza virus, which has traditionally been the influenza type identified in canines. It also can detect other type A influenza viruses circulating among most different species, including 2009 H1N1. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. See Appendix I for service agreement statement	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1)nasal swab; or 2) tissue (min. 5 g); or 3) allantoic fluid (min. 2 mL) or other culture Min Sample Volume:	unbreakable, leak-proof container	Refrigerate
Canine Leishmania Indirect Elisa  The Canine Leishmania indirect ELISA detects antibodies to Leishmania	24.00	Serology	W	3 days	1mL serum	red top blood collection tube	Refrigerate. Ship overnight in insulated container with freezer packs.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Canine Parainfluenza Virus PCR  The test is designed to identify canine parainfluenza virus (CPIV) in dogs with acute respiratory disease. It uses the RT-PCR molecular method to amplify and detect a short region from the hemagglutinin-neuraminidase (HN) gene of CPIV. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Nasal or oropharyngeal swab. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided.	Submit swabs in virus transport media or sterile, sealed vials with several drops of saline added, to prevent desiccation.	Refrigerate
Canine Parainfluenza Virus SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	Tu	12 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Canine Parainfluenzavirus (CPIV) FA  Fluorescent antibody Nasal or pharyngeal swabs are only appropriate for virus isolation or PCR	25.00 /animal	Virology	M-F	2-4 days	1) Tracheal wash, broncho-alveolar lavage; 2) Upper airway tissue, lung	1) Leakproof container; 2) Sealable plastic bag or container	Ship in insulated container with ice pack
Canine Parvovirus (CPV-2) ELISA  Enzyme linked Immuo-assay for Canine Parvovirus-2 Swabs in bacterial transport medium are not appropriate ELISA testing.	27.50 /sample	Virology	As needed	3 days	1) Feces; 2) Dry fecal swab.	1) Leakproof container; 2) Swabs in dry tube, (NOT IN Viral Transport Medium)	Ship in insulated container with ice pack
Canine Parvovirus (CPV-2) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh ileum, jejunum, heart, tongue	Sealable plastic bag or container	Ship in insulated container with ice pack
Canine Parvovirus (CPV-2) HI  Hemagglutination inhibition test for Canine Parvovirus-2 Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation. For more information and titer graph, please see Canine Parvovirus-2 Hemagglutination Inhibition Test Data	16.50 /sample	Virology	Tu, Th	3-5 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Canine Parvovirus (CPV-2) Isolation  Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Ileum, jejunum, tongue, heart; 2) 5cc feces	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
Canine Parvovirus Genotyping  Test for genetic changes in virus. Test defines the genetic type (2a, 2b, or 2c) of canine parvovirus in clinical cases. Analysis is usually done on canine parvovirus isolates obtained from virus isolation (additional test fee).	80.00	Virology	As needed	4-10 days	1) Virus isolate; 2) Tissue sample; 3) Fecal sample	1-3) Leakproof container	Ship in insulated container with ice pack
Canine Respiratory Coronavirus PCR  The beta coronavirus PCR employed by the AHDC will detect canine respiratory coronavirus, camelid enteric coronavirus, equine enteric coronavirus and the respiratory and enteric coronaviruses of cattle. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) Nasal swab, 2) Lung tissue	1) Red top tube; 2) unbreakable leak-proof container	Refrigerate
Canine Respiratory Disease Virus Isolation  Includes: CDV, CPIV, CRCoV, CnPnV, CIV, CAV, CHV, Reovirus + Unknowns Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Canine Respiratory Panel	115.00 per sample	Molecular Diagnostics	M-F as needed	2-3 days	Nasal Swabs or nasopharyngeal swabs; nasal swabs are preferred; OR lung tissue from post-mortem cases. Do not place in bacterial transport media.	Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. Submit lung tissue in leakproof, unbreakable, sealed, sterile container.	Refrigerate
<p>Multiple PCR assays, each detecting a single pathogen, run together as a panel, includes: Canine Adenovirus Virus, Canine Distemper Virus, Canine Parainfluenza Virus, Canine Pneumovirus, Beta-Coronavirus, B. bronchiseptica, Mycoplasma cynos, Influenza matrix PCR (comprehensive Influenza Virus detection, including all currently recognized canine influenza viruses)</p> <p>Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Canine Scott Syndrome Mutation Detection Genetic Testing	91.50	Comparative Coagulation	Mon - Fri	2 weeks	2.0 mL EDTA blood	EDTA (purple top blood collection tube)	Do Not Freeze
<p>Genetic test to detect the genetic mutation associated with Canine Scott Syndrome hereditary disease of dogs.</p>							
Canine TEG	54.50	Comparative Coagulation	M-F; 9am-4pm	same day	Time sensitive test, please call Coag Lab 607-253-3648, before collecting sample.	Blood must be drawn directly into a blue top vacutainer or syringe containing premeasured 3.8% sodium citrate or 3.2% citrate.	Whole blood MUST be maintained at room temperature, do not refrigerate.
<p>Measures dynamics of fibrin formation, stabilization and lysis Citrate whole blood must be in COAGULATION LAB within 15 min of blood draw. Therefore this test is routinely only available to Cornell University Hospitals for Animals. DO NOT CENTRIFUGE OR REFRIGERATE whole blood sample. Call 607-253-3648 to alert the lab that test is coming.</p>							
Canine TEG Bleeding	54.50	Comparative Coagulation	M-F; 9am-4pm	same day	Time sensitive test, please call Coag Lab 607-253-3648, before collecting sample.	Blood must be drawn directly into a blue top vacutainer or syringe containing premeasured 3.8% sodium citrate or 3.2% citrate.	Whole blood MUST be maintained at room temperature, do not refrigerate.
<p>Measures dynamics of fibrin formation, stabilization and lysis Citrate whole blood must be in COAGULATION LAB within 15 min of blood draw. Therefore this test is routinely only available to Cornell University Hospitals for Animals. DO NOT CENTRIFUGE OR REFRIGERATE whole blood sample. Call 607-253-3648 to alert the lab that test is coming.</p>							
Canine Vaccine Panel 1	33.00 /sample	Virology	Varies	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Includes Distemper SN and Parvo HAI Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							
Canine Vaccine Panel 2	49.50 /sample	Virology	Varies	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Includes Distemper SN, Parvo HAI, Adenovirus SN Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							
Canine Vaccine Panel 3	49.50 /sample	Virology	Varies	5-9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Includes Distemper SN, Parvo HAI, Coronavirus SN Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							
Caprine Arthritis Encephalitis Virus (CAEV) c-ELISA	9.50 /sample	Virology	W*	1 wk	1 ml serum, plasma is not an acceptable sample for this test. Acceptable species: Caprine or Ovine.	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>This Small Ruminant Lentivirus (SRLV) Antibody Test Kit is a competitive, enzyme-linked, immunosorbent assay (cELISA). Sample serum CAEV or OPPV antibody inhibits binding of horseradish peroxidase (HRP)-labeled SRLV-specific monoclonal antibody to CAEV antigen coated on the plastic wells. Binding of the HRP-labeled monoclonal antibody conjugate is detected by the addition of enzyme substrate and quantified by subsequent color product development. Strong color development indicates little or no blockage of HRP-labeled monoclonal antibody binding and therefore the absence of CAEV or OPPV antibody in sample sera. Weak color development due to inhibition of the monoclonal antibody binding to the antigen on the solid phase indicates the presence of CAEV or OPPV antibodies in sample sera. * Contact lab for add'l possible test days. Young kids from dams with unknown status, test at a minimum of 3-4 months of age; re-test Negative herd additions or animals with recent suspect exposure in 90 days. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.</p>							

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Caprine Herpesvirus SN  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	As needed	7 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Caprine Pinkeye Diagnostic Plan  Plan includes Aerobic bacterial culture, Chlamydomphila PCR, Mycoplasma culture For the PCR testing, submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.*May qualify for New York State contract pricing. For more information, please see Caprine Diagnostic Plans/Panels.	103.75	Multiple Sections			Conjunctival swab in aerobic transport media (Amies w/out charcoal) AND conjunctival swab in sterile tube with 0.5 ml saline to keep moist (not wet).	aerobic transport media (Amies w/out charcoal); sterile tube with 0.5 ml saline to keep moist (not wet)	Ship chilled
Cerebrospinal Fluid Cytology  Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation Specify if the sample is from the atlanto-occipital or lumbosacral region as result interpretation is dependent on site. Do not allow coolant to come in contact with specimen: ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing	58.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) CSF in EDTA; 2) For best results also submit freshly made,rapidly air-dried, un-stained smears. 3) Also submit a red top tube if culture anticipated	1) Purple top (EDTA tube), 2) red top (no anticoagulant) tube only if culture anticipated	Refrigerate fluids. Ship overnight in insulated container with freezer packs. Keep slide at room temperature; protect from chilling/coolant by insulating separately during shipment.
Chlamydomphila (Chlamydia) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	1) Tissue: lung; conjunctival tissue or other suspect affected tissue; fetal tissue such as placenta(preferred), liver or spleen 2) Air-dried conjunctival smear; 3) Milk	1) leakproof, unbreakable plastic container or bag; 2) Slide mailer; 3) Leakproof container	1,3)Ship for next day delivery in insulated container with freezer pack(s) 2) No coolant
Chlamydomphila CF  Complement Fixation Species tested: bovine, ovine, caprine and felineNote: This test has not been validated on feline species. Contact laboratory before submitting samples from any other species. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	11.00 /sample	Virology	Once per week	5 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Chlamydomphila psittaci PCR  PCR Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> Our laboratory does not currently offer Chlamydia culture testing but we are sometimes asked to refer samples for Chlamydia culture to another laboratory offering the service. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided	36.75	Molecular Diagnostics	M-F as needed	3 days	1) culture (solid or liquid) or isolate; 2) tissue (min. 5 g); 3) feces (min. 5 g); 4) swab	unbreakable, leak-proof container	Refrigerate
Chloride  See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	9.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Chloride, urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Cholesterol	13.00 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid;	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>Dogs and cats should be fasted for around 12 hours to avoid cholesterol interference from post-prandial hyperlipidemia. See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Cholinesterase	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
<p>Measurement of cholinesterase activity in serum or plasma is a quick screening test indicated for animals with a history of possible exposure to organophosphate or carbamate compounds and/or that show clinical signs compatible with exposure. Remember that erythrocytes are rich in cholinesterase, therefore hemolysis invalidates the results. See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals.</p>							
Clostridium chauvoei FA	14.00 /sample	Bacteriology	M-F	1-2 days	1) 2-inch cube of affected muscle; 2) Swab from affected lesions	1) Sealed sterile container; 2) Anaerobic transport media (BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1) Refrigerate; 2) DO NOT refrigerate
<p>For the detection of Clostridium chauvoei by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .</p>							
Clostridium difficile Toxins (A/B)	33.00 /sample	Bacteriology	M, W, F	2 days	Fresh feces or tied-off loop of bowel (with contents)	Sealed sterile container. Swabs are NOT acceptable.	Refrigerate. Fresh samples must reach the lab within 24 hours of collection. If this is not possible, freeze immediately and ship overnight frozen on dry ice.
<p>For the detection of Clostridium difficile toxins A and B by ELISA in enteric samples. *May qualify for New York State contract pricing. For investigational purposes only. The sensitivity of this Clostridium difficile toxin test is maximized by freezing fecal samples that can not be sent chilled to the lab to arrive the next day, since these toxins are heat labile. If you are requesting other testing on feces or colon contents, such as parasitology exams for which the sample should not be frozen, it requires having two separate fecal specimens. The specimen held over a night or weekend can be frozen, labeled as "held frozen" and shipped with extra insulation/freezer packs. A negative toxin test result on a sample that has not been handled in this way should be interpreted with caution as it may not reflect the actual disease status of the animal. Please consider the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine submissions.</p>							
Clostridium novyii FA	14.00 /sample	Bacteriology	M-F	1-2 days	1) 2-inch cube of affected muscle; 2) Swab from affected lesions	1) Sealed sterile container; 2) Anaerobic transport media (BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1) Refrigerate; 2) DO NOT refrigerate
<p>For the detection of Clostridium novyii by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .</p>							
Clostridium perfringens Enterotoxin	28.00 /sample	Bacteriology	M, W, F	2 days	Fresh feces or tied-off loop of bowel (with contents)	Sealed sterile container. Swabs are NOT acceptable.	Refrigerate. Fresh samples must reach the lab within 24 hours of collection. If this is not possible, freeze immediately and ship overnight frozen on dry ice.
<p>For the detection of Clostridium perfringens enterotoxin by ELISA. This ELISA tests for only one of several possible toxins. Please also consider anaerobic culture. The sensitivity of this Clostridium perfringens toxin test is maximized by freezing fecal samples that can not be sent chilled to the lab to arrive the next day, since these toxins are heat labile. If you are requesting other testing on feces or colon contents, such as parasitology exams for which the sample should not be frozen, it requires having two separate fecal specimens. The specimen held over a night or weekend can be frozen, labeled as "held frozen" and shipped with extra insulation/freezer packs. A negative toxin test result on a sample that has not been handled in this way should be interpreted with caution as it may not reflect the actual disease status of the animal. Please consider the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine submissions.</p>							
Clostridium perfringens genotyping PCR	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) Clostridium perfringens isolate or culture	1) isolate already in lab; or 2) anaerobically submitted culture isolate	Refrigerate

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# Animal Health Diagnostic Center Test and Fee Schedule

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Clostridium septicum FA  For the detection of Clostridium septicum by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .	14.00 /sample	Bacteriology	M-F	1-2 days	1) 2-inch cube of affected muscle; 2) Swab from affected lesions	1) Sealed sterile container; 2) Anaerobic transport media (BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1) Refrigerate; 2) DO NOT refrigerate
Clostridium sordellii FA  For the detection of Clostridium sordelli by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .	14.00 /sample	Bacteriology	M-F	1-2 days	1) 2-inch cube of affected muscle; 2) Swab from affected lesions	1) Sealed sterile container; 2) Anaerobic transport media (BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1) Refrigerate; 2) DO NOT refrigerate
Clotting Factor (02) FII Activity	34.00	Comparative Coagulation	M - F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (05) FV Activity	34.00	Comparative Coagulation	M - F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (07) FVII Activity	15.00	Comparative Coagulation	M - F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (07) FVII Activity, Large-Exotic	34.00	Comparative Coagulation		2-3 days	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (08) FVIII Activity Factor VIII coagulant activity	15.00	Comparative Coagulation	Tu-F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (08) FVIII Activity, Large-Exotic Factor VIII coagulant activity	34.00	Comparative Coagulation	M-F	2-3 days	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (09) FIX Activity Measurement of Factor IX coagulant activity in dogs and cats	15.00	Comparative Coagulation	Tu-F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (09) FIX Activity, Large/Exotic Factor IX coagulant activity	34.00	Comparative Coagulation	M-F	2-3 days	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (10) FX Activity Factor X coagulant activity in cats and dogs	15.00	Comparative Coagulation	M-F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (10) FX Activity, Large-Exotic The measurement of Factor X coagulant activity in large and exotic animals.	34.00	Comparative Coagulation	M-F	2-3 days	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (11) FXI Activity The measurement of coagulation Factor XI in cats and dogs.	15.00	Comparative Coagulation	Tu-F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (11) FXI Activity, Large-Exotic The measurement of Coagulant Factor XI in large and exotic animals	34.00	Comparative Coagulation	M-F	2-3 days	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (12) FXII Activity The measurement of coagulation Factor XII in dogs and cats.	15.00	Comparative Coagulation	Tu-F	1 day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigeration

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Clotting Factor (12) FXII Activity, Large-Exotic  The measurement of Coagulation Factor XII in large and exotic animals.	34.00	Comparative Coagulation	M-F	2-3 days	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate
Clotting Factor (13) FXIII Deficiency Screening  Requires submission of paired sample from same-species control animal	56.00	Comparative Coagulation	Monday - Thursday	1 - 3 days	citrate plasma	plastic or siliconized glass tube in styrofoam box	
Coagulation Panel + Fibrinogen  Incl. aPTT, PT, TCT, Fibrinogen (for small animals only) Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	34.00	Comparative Coagulation	M-F	same day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Coagulation Panel, Large Animal  Incl. aPTT, PT, Fibrinogen Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	42.50	Comparative Coagulation	M-F	same day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Coagulation Panel, Small Animal  Incl. aPTT, PT, TCT Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	27.25	Comparative Coagulation	M-F	same day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Coagulation Special Handling Fee  Processing fee for research samples and projects that require special handling before coagulation testing. The fee may be applied to potentially infectious materials including primate samples, products requiring reconstitution, plasma pooling, and aliquot preparation.	10.00 minimum	Comparative Coagulation					
Contagious Ecthyma Virus (ORF) IFA  Indirect fluorescent antibody Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	M-F	5 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Contagious ecthyma virus (ORF) PCR  The Parapoxvirus PCR detects parapoxviruses from multiple species. For samples originating from ovines, the virus of concern is contagious ecthyma (CE) virus or ORF. Upon special request and an additional fee, sequence analysis can be done to confirm species identity.	36.75	Virology	As needed	2-3 days	swab of ulcerated area; skin biopsy;"scabs"	non-breakable container	Refrigerate. Ship in insulated container with ice pack
Contagious Equine Metritis (CEM) CF  Highly contagious venereal disease in mares, transmitted by stallions, caused by Taylorella equigenitalis Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	11.00 /sample	Virology	Tu, Th	2-4 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Contagious Equine Metritis (CEM) Culture  Equine only. For the isolation of Taylorella equigenitalis and Taylorella asinigenitalis. Due to very particular culture processes and sampling requirements, PLEASE CONTACT THE LAB FOR TEST SCHEDULING AND SAMPLING REQUIREMENTS. Ask to speak to someone in Regulatory Affairs. Ship overnight, in insulated container, with frozen ice packs. Samples MUST be received within 48 hours of collection to be tested. Transport media must not be expired. Samples must arrive cold. Do not cover expiration dates with labels or tape. Charges are assessed PER SWAB submitted. See our instructions for collecting CEM culture samples, including photo images. Amies with charcoal bacterial transport media, including those with mini-tipped swabs, are available from our diagnostic supply center.	22.00 /swab	Bacteriology	M-Sa	7 days	1) Stallions: Pre-ejaculatory fluid, penile prepuce or sheath, urethra, urethra diverticulum; 2) Mares: Cervix, endometrial, clitoral sinus, clitoral fossa. Clitoral sinus sample must be collected using a mini-tipped swab. See collection container info for specific media requirements. Multiple samples are required and sampling at multiple times may also be indicated. Regulatory requirements vary regarding which samples must be submitted and the schedule for submission.	1-2) Amies transport media WITH charcoal (swab) ONLY. Clitoral sinus sample must be collected using a mini-tipped swab. Media must not be expired. Do not cover expiration date with labels or tape. Sample must arrive in lab within 48 hours of sample collection. Samples must arrive cold. Please put date and time of collection on swab label.	1-2) With frozen ice packs in insulated container



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Copper, serum/plasma  Contact Lab for specifics for avian and very small animals	25.00 /sample	Toxicology	M-F	3 days	1) 2 mL serum; 2) or transfer 2 mL heparinized plasma into a red top tube	1-2) Red top tube, no gel clot	1-2) Refrigerate. Ship in insulated container with ice pack.
Coronavirus PCR, Alpha  The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. For species specific testing information please see Coronavirus PCR Guidelines.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood, serum (min. 2 mL); 2) tissue (min. 5 g); 3) ascites or body fluid (min. 2 mL); 4) feces (min 5 g)	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice pack.
Coronavirus PCR, Beta  The beta coronavirus PCR employed by the AHDC will detect canine respiratory coronavirus, camelid enteric coronavirus, equine enteric coronavirus and the respiratory and enteric coronaviruses of cattle. For species specific testing information please see Coronavirus PCR Guidelines. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems. For more information about beta coronavirus infections and prevalence in equine, refer to Equine Enteric Coronavirus Fact Sheet. *May qualify for New York State contract pricing.	36.75 /sample	Molecular Diagnostics	M-F as needed	2-3 days	1) Feces; 2) Fecal swab 3) Intestinal tissue 4) Nasal swab; 5) Lung tissue	1) unbreakable leak-proof container; 2) Red top tube; 3) leakproof container; 4) Red top tube, 5) Leakproof container	Refrigerate. Ship in insulated container with ice pack.
Cortisol baseline For more information, see Appendix C	16.00	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Cortisol Post ACTH  Post treatment sample USE THIS TEST FOR CANINE SERUM SAMPLES DRAWN FOLLOWING THE ADMINISTRATION OF ACTH	10.50	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack.
Cortisol Post Dexamethasone USE THIS TEST FOR ALL POST-DEXAMETHASONE SAMPLES. For more information, see Endocrinology Submission Guidelines	10.50	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Cortisol: ACTH response  Pre-treatment sample USE THIS TEST FOR CANINE SERUM SAMPLES DRAWN PRIOR TO THE ADMINISTRATION OF ACTH For more information, see Canine Adrenal Function Tests, Equine Cushings Tests, Feline Adrenal Function Tests, or Appendix C.	14.50	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack.
Cortisol: Dex suppression USE THIS TEST FOR PRE-DEXAMETHASONE SERUM SAMPLES For more information, see Endocrinology Submission Guidelines	14.50	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Cortisol: Post TRH For more information, see Appendix C	10.50	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Cortisol: TRH response Equine For more information, see Appendix C	14.50	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Coxiella burnetii (Q-Fever) ELISA  also known as Q-Fever ELISA Ovine, Caprine, and Bovine. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	16.50	Virology	as needed	3-10 days	1) 1 mL serum; 2) Plasma; 3) Milk	1,2) Blood collection tube; 3) Leakproof container	It is recommended to ship samples with an ice pack.

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Coxiella burnetii (Q-Fever) PCR  also known as Q-Fever PCR Ship Overnight -- do not freeze milk or blood! This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2 days	1) milk: see comment (large animals: min. 50 mL; small animals: min. 10 mL); 2) tissue (placenta preferred, min. 5 g for all tissue); 3) EDTA blood (min. 2 mL)	unbreakable, leak-proof container	1),3) Refrigerate. 2) Refrigerate or freeze.
C-Reactive Protein  C-reactive protein is a measure of acute inflammation and this test can only be used in dogs. See Test Information and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	35.00	Clinical Pathology	Mon - Sat		Serum or heparin plasma (samples can be run on EDTA plasma but this is not preferred)	Plain glass or plastic tube.	Refrigerate. Ship overnight in insulated container with freezer packs
Creatine kinase  CK, CPK See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals For test interpretation, refer to eclinpath.com	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid; 3) 2 mL urine	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Creatinine  See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	11.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Creatinine, urine	19.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs
Crossmatch Donor 1  Do not freeze	42.00 per donor	Clinical Pathology	M-F	same day	1) 1 to 3 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) lavender top tube AND 2) plastic tube	Refrigerate
Crossmatch, Canine  Ship Overnight: no NOT freeze whole blood samples	34.75	Comparative Coagulation	M-F	same day	1) 2 mL EDTA whole blood; AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) lavender top tube; AND 2) serum tube	Refrigerate/ship on cold pack
Crossmatch, Feline  Ship Overnight: no NOT freeze whole blood samples	34.75	Comparative Coagulation	M-F	same day	1) 2 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) lavender top tube AND 2) serum tube	Refrigerate/ship on cold pack
CRYOSECTION  Microscopic evaluation of a cryosection stained with Hematoxylin and Eosin prepared from a fresh unfixed tissue specimen.	153.00	Anatomic Pathology					
Cryptorchid Panel, Equine: Testosterone and Estrone Sulfate  Includes Testosterone and Estrone Sulfate Only for males >3 years old. To screen younger males, use the testosterone baseline or the HCG Response test: 2 testosterone	44.00	Endocrinology	Monday	4 days	1 mL serum; avoid EDTA	plastic or glass tube	Refrigerate. Ship w/ cold pack
Cryptosporidium ELISA ELISA plus Centrifugation Concentration Flotation with Sugar and/or Zinc Sulfate. Fecal Qualitative or Quantitative exam will be performed with each ELISA at an additional fee. This ELISA cannot be requested alone. If both Cryptosporidium and Giardia ELISA's are ordered, only one flotation will be performed and charged.	25.00	Parasitology	Mon, Thur	1-3 days	feces	wide mouth leak-proof container	Refrigerate

**Last Updated: 11/13/2018** \* Each accession received will be charged a \$5.00 accessioning fee, in addition to the requested testing. Fees are subject to change without notice, please call the lab if you have any questions. Contract pricing available. For information please refer to <https://ahdc.vet.cornell.edu/billing/contract.cfm>  
**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

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Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Cryptosporidium Spp real-time PCR	36.75	Molecular Diagnostics	M-F	3-5 days	Feces, intestinal tissue	Sealed vial or container in a secondary container	Refrigerate. Ship in insulated container with ice pack.
<p>This real-time PCR assay detects the 18S rRNA gene of pathogenic Cryptosporidium species according to the method published by Operario et al. Am J Trop Med Hyg. 2015. This test is intended primarily for research applications at this time. Please contact lab for volume discounts. Ct values at or below 28 are more likely to be associated with active diarrhea. Ct values above 32 are less likely to be associated with diarrhea.</p>							
Cyanide	55.25 /sample	Toxicology	M-F	2 days	1) 10 mL EDTA whole blood; 2) 10 mL heparinized whole blood; 3) 50g stomach contents; 4) 100g forage, silage, or other material	Heparinized or EDTA tube; air-tight container	1-2) Refrigerate; 3-4) freeze
<p>1-2) Refrigerate promptly; Cannot analyze in plasma or serum - Need whole blood. Do not use heparin separator tubes (gel tubes) 3-4) freeze samples promptly, keep samples cold in transit; special request only, contact Lab to make arrangements</p>							
Cytology Smear Exam	48.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	At least 2 unstained smears. Label slides in pencil with the patient name and sampled site.	Ship slides in a plastic or cardboard slide holder to prevent from breaking in transit, and a purple top (EDTA) tube, if submitting fluid.	Refrigerate fluids only; ship in insulated container with freezer pack for next day delivery. Hold smears/slides at room temperature; protect from chilling/coolant by insulating separately during shipment
<p>Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation</p>							
D-dimer Quantitative	30.50	Comparative Coagulation	M-F	same day	separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Ship Overnight. Rodent assay fee is \$59.50. For additional info see Comp Coag web page</p>							
Dermatology Biopsies (1-5 sites)	30.00 in addition to base surgical biopsy (HISTO) charge	Anatomic Pathology	M - F	4 - 10 days	0.5 to 1.0 cm thick section of tissue fixed in 10% neutralized formalin, 10:1 formalin to tissue ratio.	Wide-mouth, leakproof, unbreakable jar; NOT GLASS	room temperature; protect from freezing
<p>Dermatohistopathology Submission Form) Includes up to 5 sites or 5 skin punch biopsies processed for dermatohistopathology evaluation. Please identify multiple biopsies that need to be interpreted separately from each other (ex. submit in separate jars or mark with sutures in the same jar) Must be submitted on Dermatohistopathology Submission Form.</p>							
DIC Panel, Large Animal and Exotics	103.00	Comparative Coagulation	M-F	same day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Includes aPTT, PT, Fibrinogen, Antithrombin, D-dimer Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>							
DIC Panel, Small Animal	88.50	Comparative Coagulation	M-F	same day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Includes aPTT, PT, Fibrinogen, Antithrombin, D-dimer Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>							
Digital Copper Quantification	60.00	Anatomic Pathology	M - F	1 week	Formalin fixed tissues, formalin fixed paraffin embedded tissue blocks, or 8-10 unstained slides per paraffin block.	Leak Proof with 10% Neutral Buffered Formalin when sending fixed tissues	Room temperature
<p>Quantification of Copper stained slides to evaluate levels of copper in tissue sections To submit, use Histopathology Submission Form or use Liver Consult Form via the Liver Portal. Digital Copper Quantification is only available as an add-on to a Liver Consult. Please refer to Hepatopathology Specialty Service for additional information. Copper Quantification by ICP (MINP) is available and can be added to your standard biopsy if enough specimen is provided.</p>							
Dilute Russell's Viper Venom Time	15.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>							

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Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Direct Coombs  Testing for the presence of antibody or complement on RBCs. It is generally performed as a supportive diagnostic test for immune-mediated hemolytic anemia. For test interpretation, refer to eclinpath.com	37.00	Clinical Pathology	M-Sa	1-2 days	2-5 mL EDTA blood AND 2 dry (unfixed, unstained) blood smears	lavender top tube AND frosted-end slides	Refrigerate fluids. Ship overnight in insulated container with freezer packs. Keep slide at room temperature; protect from chilling/coolant by insulating separately during shipment.
Drug Quantitation  Special request only, contact Lab	165.50 per hour	Toxicology	M-F	5 days	1) 10 mL heparin plasma transferred to red top; 2) 20 mL heparin whole blood; 3) 50 mL urine	1) red top blood collection tube; 2) Heparinized tube, no gel clot; 3) sterile container	1-3) Refrigerate w/ cool pack
Ehrlichia canis PCR  E. canis PCR The sample required for testing from live animals is EDTA whole blood. Ticks must first be submitted for parasite ID to determine if they are a vector species; see Parasite Identification.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood, buffy coat (min. 2 mL); 2) tick: see comment; 3) tissue (min. 5 g)	unbreakable, leak-proof container	Refrigerate
Electrolytes Panel  Na, K, Cl Test reference ranges can be found at Clinpath Reference Intervals. For more information, see Chemistry Panel Information	17.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Electrolytes Panel, urine  Na, K, Cl, Creat For more information, see Chemistry Panel Information.	31.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs
Electrophoresis, blood  For test interpretation, refer to eclinpath.com	60.00	Clinical Pathology	1x/wk	7-10 days	1) 1 mL separated serum; 2) heparinized plasma for exotics/avian only	Red top (non-anticoagulant) tube. Green top (heparin) tube for exotics only.	Refrigerate
Electrophoresis, fluid  All species; please specify site of fluid collection	60.00	Clinical Pathology	1x/wk	7-10 days	Body fluids. Please specify site.	Red top (non-anticoagulant) tube	Refrigerate
Electrophoresis, urine  For test interpretation, refer to eclinpath.com See Test Info and Protocols for more information	60.00	Clinical Pathology	1x/wk	7-10 days	) 5-7 mL urine	Red top (non-anticoagulant) tube	Refrigerate
Encephalomyocarditis SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	as needed	5-9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Encephalomyocarditis Virus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh heart, brain, spleen	Sealable plastic bag or container	Ship in insulated container with ice pack

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Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Encephalomyocarditis Virus Isolation  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	Fresh heart, brain, spleen	Sealable plastic bag or container	Ship in insulated container with ice pack
Enteric Bacteriology Cultures, Panel 1  Includes aerobic culture [E. coli, Rhodococcus (foals only), Shigella (primates only)], and Salmonella culture. *May qualify for New York State contract pricing. Aerobic culture not tested on calves over 10 days of age. Antimicrobial Susceptibility (MIC) are not included in the testing fee. Please consider the Foal Diarrhea/Septicemia Kit for foal submissions.	62.00 /sample	Bacteriology	M-Sa	3-7 days	1) Fresh feces or intestinal contents; 2) Ligated ileum or jejunum; 3) Mesenteric lymph node; 4) Swab of 1-3	1) Sealed, sterile container or ParaPak; 2-3) Sealed sterile container; 4) Swab in Amies transport media	1-3) Refrigerate. Ship in insulated container with ice pack. EXCEPT ParaPak, which is shipped at room temperature and protected from temperature extremes.
Enteric Bacteriology Cultures, Panel 2  Includes aerobic culture [E. coli, Rhodococcus (foals only), Shigella (primates only)], Salmonella culture and Campylobacter jejuni culture. Antimicrobial Susceptibility (MIC) are not included in the testing fee. Susceptibilities not applicable to Campylobacter jejuni.	87.00 /sample	Bacteriology	M-Sa	3-7 days	1) Fresh feces or intestinal contents; 2) Ligated ileum or jejunum; 3) Mesenteric lymph node; 4) Swab of 1-3	1) Sealed, sterile container or ParaPak; 2-3) Sealed sterile container; 4) Swab in Amies transport media	1-3) Refrigerate. Ship in insulated container with ice pack. EXCEPT ParaPak, which is shipped at room temp and protected from temperature extremes.
Enteric Bacteriology Cultures, Panel 3  Includes aerobic culture [E. coli, Rhodococcus (foals only), Shigella (primates only)], Salmonella culture, Campylobacter jejuni culture, anaerobic culture [Clostridium perfringens (all species) and Clostridium difficile* (foals and primates only)] Antimicrobial Susceptibility (MIC) are not included in the testing fee. Susceptibilities are not applicable to Campylobacter jejuni and Clostridia species. *Culture for Clostridium difficile in other species available by request only. **Anaerobic Transport medias (e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM) are suitable for most aerobic cultures, including for the aerobes of concern in enteric infections. Despite labelling to the contrary, culture systems containing Amies transport media or Stuart transport media are inappropriate as transport systems for anaerobic culturing. Swabs transported without any transport media are unsuitable for both aerobic and anaerobic culture.	132.00 /test	Bacteriology	M-Sa	3-7 days	1) Anaerobic transport media inoculated with swab of fresh feces or intestinal contents; or 2) Ligated ileum or jejunum; and/or 3) Mesenteric lymph node	1) Anaerobic transport media** (BBL™ Port-a-cul™ or Anaerobic Systems ATM); or 2-3) Sealed sterile container	1) DO NOT Refrigerate anaerobic transport media tubes or vials; 2-3) Tissues are ideally held and shipped frozen with sufficient insulation and freezer packs to arrive next day and very cold; refrigerated temperatures are acceptable only for tissue samples delivered to the lab within 24 hours of collection.
Environmental Count  Non NYS Price: \$40.00	30.00 NY (see comment)	Quality Milk Production Services	M-F	48 hours	>10-50 grams bedding manure solids	Clean, sealed container	Refrigerate sample. Ship in insulated container with ice pack w/in 24 hrs.
Environmental Samples (for parasites)  Please contact Lab: fee depends on parasite of interest, type of sample submitted, and processing required	25.00 See comments for fee	Parasitology	M-F	1-7 days	Please contact Lab before submitting sample to determine if sample is appropriate for testing.		
Epizootic Disease virus PCR  This assay detects virus nucleic acid in tissues and fluids of affected animals.	36.75	Molecular Diagnostics	M-F, as needed	2-3 days	1) Lung, lymph node, vesicular lesion, or 2) swab of vesicular lesion, or 3) EDTA or Citrated whole blood	Leak proof container or blood tube	Refrigerate. Ship in insulated container with ice pack

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Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Epizootic Hemorrhagic Disease (EHD) AGID  Agarose gel immuno-diffusion. Acceptable species: Ruminant Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	6.25 /sample	Virology	M-Th	2-4 days	1 ml serum; plasma is not an acceptable sample for this test	red top blood collection tube	It is recommended to ship samples with an ice pack.
Epizootic Hemorrhagic Disease 1SN  Test not routinely set. Decision to set test will be made on a case by case basis. Please contact laboratory prior to submitting samples. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	10.00	Virology	Contact Lab	Contact Lab	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Epizootic Hemorrhagic Disease 2SN  Test not routinely set. Decision to set test will be made on a case by case basis. Please contact laboratory prior to submitting samples. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	10.00	Virology	Contact Lab	Contact Lab	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Abortion Serology Panel  Includes Lepto M-A, EHV-1 SN, EAV SN, EIV HI See additional info for abortion samples	89.50	Multiple Sections	varies	5-8 days	4 mL serum	red top blood collection tube	
Equine Abortion Virus Isolation  Includes: EHV-1, EAV, ER-A + Unknowns See Appendix E for submission details	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Placenta; 2) Fetal Tissues (Lung, kidney, liver, adrenal, spleen)	Sealable plastic bag or container	Ship in insulated container with ice pack
Equine Adenovirus (EAD) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh lung, spleen, lymph nodes	Sealable plastic bag or container	Ship in insulated container with ice pack
Equine Adenovirus (EAD) SN  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	As needed	5-7 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Adenovirus 1 PCR  PCR This is a new test to detect EAdV in horses with respiratory disease. The clinical significance of EAdV-1 is unknown. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are acceptable. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) Nasal swab; 2) Oropharyngeal swab Nasopharyngeal wash (NPW) and tracheal wash (TW) samples may also be appropriate respiratory samples from horses.	Sealed vials that prevent desiccation	Refrigerate. Ship in insulated container with ice packs
Equine Adenovirus 2 PCR  reverse transcriptase - quantitative polymerase chain reaction (RT-qPCR) EAdV-2 has not been identified in the United States as of 1/29/2014. The clinical significance of infection is unclear. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) Feces; 2) Fecal swab; 3) Nasal swab; 4) Oropharyngeal swab	sealed, unbreakable container	Refrigerate. Ship in insulated container with ice packs
Equine Arteritis Virus (EAV) FA  Fluorescent Antibody	25.00 /animal	Virology	M-F	2-4 days	1) Abortions: placenta, fetal lung, liver, kidney; (all 4 tissues if possible) 2) Foals: lung, lymph node, spleen; (all 3 tissues if possible)	Sealable plastic bag or container	Ship in insulated container with ice pack

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Equine Arteritis Virus (EAV) Isolation  Virus isolation Swabs in bacterial transport medium (Ames, Port-a-cul, etc) are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	For adult acute infections - 1) EDTA whole blood; 2) Nasopharyngeal swab; For Abortions - 3) Placenta; 4) Fetal tissues - lung, liver, kidney, spleen; For Foal pneumonia - 5) Lung, lymph node, spleen	1) Lavender top tube; 2) Viral transport media; 3,4,5) Sealable plastic bag or container	Ship in insulated container with ice pack
Equine Arteritis Virus (EAV) Semen Isolation (OIE)  OIE Protocol Contact Regulatory Affairs (607-253-4141) prior to semen collection as laboratory requires notification in advance to prepare cell cultures for testing. If not shipped overnight, semen must be frozen immediately and shipped frozen. As a biological assay we do not guarantee test results being available on any given day.	110.25	Virology	T-Th	10-15 days	fresh or frozen semen	Leakproof container	Ship in insulated container with ice packs or dry ice.
Equine Arteritis Virus (EAV) SN  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation. Plasma is not an acceptable sample for this assay.	16.50 /sample	Virology	Tu, F	3-5 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Arteritis Virus PCR  reverse transcriptase - quantitative polymerase chain reaction (RT-qPCR) This is a new test to detect EAV which may be identified in horses during outbreaks of acute respiratory disease and urinary tract infections. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Nasal (NASCF) or oropharyngeal (ORAPH) swabs collected from horses with respiratory disease signs. Nasopharyngeal wash (NPW) and tracheal wash (TW) samples may also be appropriate respiratory samples from horses.	Sealed vials that prevent desiccation	Refrigerate. Ship in insulated container with ice packs
Equine Enteric Coronavirus PCR  The beta coronavirus PCR employed by the AHDC will detect canine respiratory coronavirus, camelid enteric coronavirus, equine enteric coronavirus and the respiratory and enteric coronaviruses of cattle. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. For more information about beta coronavirus infections and prevalence in equine, refer to Equine Enteric Coronavirus Fact Sheet. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) Feces; 2) Fecal swab 3) Intestinal tissue	1) unbreakable leak-proof container; 2) Red top tube; 3) leakproof container	Refrigerate
Equine Hepatitis Virus PCR Panel  Panel includes PCR testing for Theiler's Disease, Non-Primate Hepatitis Virus, Equine Pegivirus and Equine Parvovirus	100.00	Virology	As needed	2 - 4 days	1 mL serum, fresh liver, equine biological products, formalin fixed, paraffin embedded liver-for an additional fee	leak proof container-no bags	Refrigerate. Do not freeze. Ship overnight in insulated containers with freezer packs
Equine Hepatitis Virus PCR Panel 2  Equine Serum Hepatitis PCR panel for regulatory purposes – equine parvovirus and equine hepacivirus (nonprimate hepatitis virus) This panel includes PCR tests for NPHV and EqParvovirus. This PCR panel meets the proposed CVB regulation for testing of equine origin products	65.00	Virology	As needed	2 - 4 days	serum, plasma, liver tissue fresh or FFPE		Refrigerate. Do not freeze. Ship overnight in insulated container with ice packs.
Equine Herpes Virus 1 Neurological Genotyping  EHV-1 Neurological Genotyping This is an add-on test to EHV-1 PCR or the Equine Respiratory Panel; it is only performed on EHV-1 positive or suspect samples. Although EHV-1 strains harboring the ORF30 G2254 allele are known to be causally associated with neurologic disease, many other host, pathogen, and environmental factors may play a role. This service is performed pursuant to an agreement with Roche Molecular Systems.	24.00	Molecular Diagnostics	M-F as needed	1 day following positive EHV1 result	1) EDTA blood (min. 2 mL); 2) nasopharyngeal swab; 3) tracheal wash (min. 10 mL); 4) tissues, min. 2g (lung, liver, spleen, myocardium, placenta, fetus); 5) CSF (Cerebral Spinal Fluid)	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
<p>Equine Herpes Virus 4 PCR</p> <p>Molecular Amplification of nucleic acid This assay can be ordered individually or as part of a panel testing for respiratory pathogens of horses Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	36.75	Molecular Diagnostics	M - F as needed	2-3 days	4 mL EDTA blood; Nasal Swab; nasal pharyngeal wash	EDTA purple top tube; swab in virus transport media or red top tube with 0.5 ml saline	Refrigerate. Ship in insulated container with ice pack
<p>Equine Herpesvirus 2 qPCR</p> <p>Detects Equine herpesvirus type 2 (EHV-2) only. Request the Gamma-EHV panel for EHV-2 and 5 testing. EHV-2 is widespread in horses and may or may not be associated with clinical signs. It has been associated with a wide range of chronic clinical conditions including fatigue, poor performance, and immunosuppression. Acute manifestations include severe outbreaks of respiratory infections, with most severe clinical signs in 6-10 week old foals and secondary bacterial infections in older animals. It has been isolated from horses of various ages with keratoconjunctivitis, and some isolated abortion cases have also been reported. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	36.75	Molecular Diagnostics	M - F	2 days	Nasopharyngeal swab; EDTA blood; ; tracheal wash; tissue culture supernatant; tissues	Swab in sterile vial with 2-3 drops sterile saline or in viral transport media; DO NOT PLACE IN BACTERIAL TRANSPORT MEDIA; Other samples in leak-proof container	Refrigerate. Ship in insulated container with ice pack.
<p>Equine Herpesvirus 5 qPCR</p> <p>Detects Equine herpesvirus type 5 (EHV-5) only. Request the Gamma-EHV panel for EHV-2 and 5 testing. The clinical signs associated with EHV-5 may include fever, pharyngitis, enlarged lymph nodes, or other upper respiratory signs. Recently, Williams et al. (2007 and 2013) showed that the virus causes a condition known as equine multinodular pulmonary fibrosis (EMPF). This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	36.75	Molecular Diagnostics	M - F	2 days	Lung tissue; nasopharyngeal swab; EDTA blood; tracheal wash; tissue culture supernatant	Swab in sterile vial with 2-3 drops sterile saline or in viral transport media; DO NOT PLACE IN BACTERIAL TRANSPORT MEDIA; Other samples in leak-proof container	Refrigerate
<p>Equine Herpesvirus Gamma PCR Panel</p> <p>Detects equine gamma-herpesviruses 2 and 5 by qPCR. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	60.00	Molecular Diagnostics	M - F	2 days	Lung tissue; nasopharyngeal swab; EDTA blood; tracheal wash; tissue culture supernatant	Swab in sterile vial with 2-3 drops sterile saline or in viral transport media; DO NOT PLACE IN BACTERIAL TRANSPORT MEDIA; Other samples in leak-proof container.	Refrigerate. Ship in insulated container with ice pack.
<p>Equine Herpesvirus PCR Panel</p> <p>EHV1PCR and EHV4PCR (EHVN will be run on positive EHV-1 samples at no charge) Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	60.00	Molecular Diagnostics	M-F as needed	2 days	EDTA blood (min. 2 mL); nasopharyngeal swab; tracheal wash (min. 10 mL); tissues, min. 2g (lung, liver, spleen, myocardium, placenta, fetus); or CSF (cerebrospinal fluid)	Unbreakable, leak-proof container.	Refrigerate. Ship in insulated container with ice packs.
<p>Equine Herpesvirus Type-1 (EHV-1) PCR</p> <p>EHV-1 PCR Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. For add'l info on submitting samples for virus isolation, see Transport Media for Diagnostic Sampling. Stat processing is available for individual blood, serum or plasma samples. A \$50 fee will be charged for each stat sample tested. Samples arriving before 12pm will be reported out by 5pm the same day. Samples arriving after 12pm, will be reported by 1pm the next day. In addition, if EHV-1 is detected, you can request Equine Herpes Virus 1 Neurological Genotyping to determine if the infecting strain has the "neurotropic" mutation. That will also incur a separate fee. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood (min. 2 mL); 2) nasopharyngeal swab; 3) tracheal wash (min. 10 mL); 4) tissues, min. 2g (lung, liver, spleen, myocardium, placenta, fetus); 5) CSF (Cerebral Spinal Fluid)	unbreakable, leak-proof container	Refrigerate

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Equine Herpesvirus-1 (EHV-1) (Rhinopneumonitis) FA  Flourescent Antibody Nasal or pharyngeal swabs are only appropriate for virus isolation	25.00 /animal	Virology	M-F	2-4 days	Abortion - 1) Placenta, fetal lung, liver, kidney, adrenal, spleen; Respiratory samples - 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Sealable plastic bag or container; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack.
Equine Herpesvirus-1 (EHV-1) (Rhinopneumonitis) Isolation  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	Abortion - 1) Placenta, fetal lung, liver, kidney, adrenal, spleen; Respiratory - 2) Nasal swab, pharyngeal swab; 3) Tracheal wash, broncho-alveolar lavage; 4) Upper airway tissue, lung; 5) EDTA blood	1) Sealable plastic bag or container; 2) Swabs in Viral Transport Medium; 3) Leakproof container; 4) Sealable plastic bag or container; 5) Lavender top blood tube	Ship in insulated container with ice pack.
Equine Herpesvirus-1 (EHV-1) (Rhinopneumonitis) SN  Antibody detection test; not ideal for testing acutely ill animals Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation. For more information and titer graph, please see Equine Herpesvirus 1 (EHV-1) Serum Neutralization Test Data	14.50 /sample	Virology	Tu, F	3-7 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Herpesvirus-2 (EHV-2) SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	As needed	7-10 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Herpesvirus-3 (EHV-3) Isolation (Coital Exanthema)  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	lesion material	sterile container	Ship in insulated container with ice pack.
Equine Herpesvirus-3 (EHV-3)SN (Coital Exanthema)  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	14.50 sample	Virology	As needed	4-7 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Herpesvirus-4 (EHV-4) SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	14.50 /sample	Virology	Tu, F	7 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Infectious Anemia (EIA) Virus AGID  Agarose gel immuno-diffusion  ELISA samples older than 21 days must be tested by the AGID unless the blood has been spun down and the serum stored frozen. Samples older than 28 days cannot be tested unless the blood has been spun down and the serum stored frozen. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Please see Equine Infectious Anemia Testing Service Update for sample handling requirements. All EIA testing must be submitted with an official State or Federal (VS Form 10-11) form. The AHDC is also a Global Vet Link (GVL) participating laboratory. The AHDC will only perform the EIA AGID test on samples submitted with forms indicating testing for the purpose of exporting the horse or products from the horse, or when sample age or storage do not match the quality standards for the EIA ELISA test. In all other instances for EIA testing submissions to the AHDC, the EIA ELISA test will be the default test regardless of whether the AGID box is checked on the EIA form. <b>Requests to correct animal and/or owner demographics after release of results, requiring us to recall and amend previously distributed reports, will result in a \$10 surcharge.</b>	10.00 /sample ; STAT +5.00	Virology	M-F	2-4 days	1 ml serum. Plasma is not an acceptable sample for this test.	red top blood collection tube	It is recommended to ship samples with an ice pack.
Equine Infectious Anemia (EIA) Virus c-ELISA  Enzyme-Linked Immunosorbent Assay Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Samples must be in testing Lab by 10:00 am for same day results. Samples older than 21 days must be tested by AGID unless blood has been spun and the serum stored frozen. All EIA testing must be submitted with an official State or Federal (VS Form 10-11) form. Please see Infectious Anemia Testing Service Update for more information. The AHDC is also a Global Vet Link (GVL) participating laboratory. <b>Requests to correct animal and/or owner demographics after release of results, requiring us to recall and amend previously distributed reports, will result in a \$10 surcharge.</b>	10.00 ; STAT +20.00	Virology	M-F	1 day	1 ml serum. Plasma is not an acceptable sample for this test.	red top blood collection tube	It is recommended to ship samples with an ice pack.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Equine Influenza Virus (EIV) HAI Hemagglutination Inhibition Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	14.50	Virology	Thursday	2-7 days	2 mL serum	red top blood collection tube	
Equine Influenza Virus (EIV) Isolation  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab; pharyngeal swab; 2) Tracheal wash; broncho-alveolar lavage; 3) Upper airway tissue; lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Equine Influenza Virus Matrix PCR  This PCR assay will detect H3N8 influenza virus, which has traditionally been the influenza type identified in horses. It also can detect other type A influenza viruses circulating among most different species, including 2009 H1N1. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) nasal swab; or 2) tissue (min. 5 g); or 3) allantoic fluid (min. 2 mL) or other culture	unbreakable, leak-proof container	Refrigerate
Equine Liver Panel  Includes AST, SDH, GGT, GLDH, Tot/Dir/Ind Bili, CK, Triglyc, Bile Acids-Random Test reference ranges can be found at Clinpath Reference Intervals.	32.00	Clinical Pathology	M-Sa	1-2 days	1.5 mL separated serum	Red top (non-anticoagulant)	Refrigerate
Equine Metabolic Syndrome Diagnostic Plan  Plan includes testing for ACTH, Insulin, Leptin, Glucose and T4 Delayed serum separation or submission of whole blood (cells on serum) results in a falsely decreased (uninterpretable) glucose. Test reference ranges can be found at Clinpath Reference Intervals.	94.00	Multiple Sections	M - F	1-4 days for all results	(1) EDTA plasma in LTT (separated and placed in plastic tube or plain RTT) and frozen within 4 hours of obtaining sample; AND (2)serum (separated promptly). SHIP CHILLED/FROZEN.	1) Lavender top tube AND 1) Red top tube	(1) Separate and Freeze plasma within 4 hours of drawing sample; (2) Separate serum promptly and refrigerate. Ship chilled with ice packs in insulated container
Equine Neurological Disease Virus Isolation  Includes: EHV-1, WNV, EEE + Unknowns	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Neural tissue; 2) CSF; 3) EDTA blood (EHV-1)	1) Sealable plastic bag or container; 2) Leak-proof container; 3) Purple top blood collection tube	Ship in insulated container with ice pack
Equine Parvovirus PCR  Test to detect equine parvovirus by PCR	36.75	Virology	as needed		serum, liver, EDTA blood, formalin fixed tissue (see comments).	leak-proof container, EDTA blood tubes	Refrigerate
Equine Pasture Pregnancy Panel Tests included in this panel are: Estrone Sulfate, Pregnant Mare Serum Gonadotropin, Progesterone baseline Estrone sulfate for greater than 90 days pregnant; PMSG for 45-100 days pregnant; Progesterone for less than 60 days pregnant. See Equine Female Reproductive Testing for more information. For more information about this plan, please see Equine Diagnostic Plans/Panels.	69.50	Endocrinology			Serum (separated)	Red top tube	Ship chilled
Equine Pegivirus PCR  Real time PCR to detect equine pegivirus This test has not been fully validated and is in the development phase. For questions, contact Dr. Ed Dubovi at 607-253-3900. The EPgV PCR test is based on the most up to date scientific knowledge of nucleic acid sequences from currently circulating viruses. A lack of test sensitivity can be due to factors such as virus mutation, possible latent stage infection or early acute infections where the viral load is below the detectable limit of the test. Therefore, we recommend follow up testing in 2-3 months after the initial testing.	36.75	Virology	as needed	5-7 days	serum; whole blood; liver	blood tube or unbreakable, leak proof container	Refrigerate. Ship for next day delivery in insulated container with freezer packs.
Equine Respiratory Disease Virus Isolation  Includes: EHV-1, EAV, EHV-4, EIV, ER-A, ER-B, EAD + Unknowns Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Equine Respiratory PCR Panel	115.00 *SEE COMMENTS BELOW	Molecular Diagnostics	Mon - Fri as needed	2-3 days	1)1 Nasal Swab or 2) deep pharyngeal swab or 3)trans-tracheal wash or Bronchoalveolar lavage or 4) lung tissue	(1-2) Swab in sterile vial with 2-3 drops sterile saline or in viral transport media; DO NOT PLACE IN BACTERIAL TRANSPORT MEDIA or (3-4) Fluid or tissue in Leak-proof container	Refrigerate
<p>The Equine respiratory panel will test for equine herpesviruses 1 and 4, equine adenoviruses 1 and 2, Equine rhinitis viruses A and B, influenza A virus (matrix), Mycoplasma felis and Streptococcus equi. Nasal (NASCF) or oropharyngeal (ORAPH) swabs collected from horses with respiratory disease signs. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.</p> <p>Nasopharyngeal wash (NPW), tracheal wash (TW) and broncho-alveolar lavage (BAL) samples are also appropriate respiratory samples from horses. Post mortem lung tissue can also be tested.</p> <p>NOTE: For EHV-1 and EHV-4 suspect horses, it is also recommended that you submit an EDTA whole blood sample at the same time as you submit the nasal swab, for EHV-1 and/or EHV-4 PCR testing. This broad respiratory panel is not appropriate for testing whole blood since only EHV-1 and EHV-4 would be likely to be detected in a blood sample. Blood specimens submitted with respiratory samples will be tested for EHV-1 (and EHV-4 if requested) and additional fees will be applied. In addition, if EHV-1 is detected, you can request Equine Herpes Virus 1 Neurological Genotyping to determine if the infecting strain has the "neurotropic" mutation. That will also incur a separate fee.</p>							
Equine Respiratory Serology Diagnostic Plan	91.00	Virology	Varies	7-10 days	3 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Tests included in this Plan are: Equine Adenovirus (EAD) SN; Equine Arteritis Virus (EAV) SN; Equine Influenza Virus (EIV) HAI; Equine Herpesvirus-1 (EHV-1) (Rhinopneumonitis) SN, Equine Rhinovirus-1 (ER-A) (Equine Rhinitis A virus) SN, Equine Rhinovirus-2 (ER-B) (Equine Rhinitis B virus) SN</p> <p>When acute and convalescent samples are/will be collected, for most serology assays they should always be tested in parallel, and paired results interpreted. If acute samples are submitted alone please indicated if all tests should be performed. If second, convalescent samples are later submitted, tests on both samples will be run in parallel and fees for both samples will be charged. To avoid testing acute samples twice, hold and submit with convalescent samples. If convalescent samples will not be collected, or when infectious abortion is strongly suspected due to history, immediate testing of acute sample may be warranted. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.</p> <p>For more information about this plan, please see Equine Diagnostic Plans/Panels. *May qualify for New York State contract pricing.</p>							
Equine Respiratory, Adult (Acute) Diagnostic Plan	207.00	Multiple Sections			1) Nasal swab in aerobic transport media (Amies) and 2) nasal swab in sterile RTT with 0.5mL of sterile saline to keep sample moist, not wet.	aerobic transport media (Amies); sterile RTT with 0.5mL of sterile saline to keep sample moist, not wet	Ship chilled
<p>Tests included in this plan are : Equine Respiratory PCR Panel, Streptococcus equi Culture* (no sensitivity included), Virus Isolation.</p> <p>It may be helpful to collect and bank a serum sample for possible acute and convalescent serology. PCR can be substituted for Streptococcus equis culture at an additional cost. This requires a nasal swab in sterile RTT with 0.5 ml of sterile saline. This panel does not include other bacterial respiratory pathogens which would require a transtracheal wash (TTW) or bronchial alveolar lavage (BAL). For these, please see the Equine Respiratory, Adult (Chronic) Diagnostic Plan. For more information about both of these plans, please see Equine Diagnostic Plans/Panels. *May qualify for New York State contract pricing.</p>							
Equine Rhinitis A Virus SN (equine rhinovirus -1)	14.50 sample	Virology	Tu, F	3-7 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Equine Rhinitis B Virus SN	14.50 sample	Virology	Tu, F	3-7days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.</p>							

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Equine Rhinitis Virus A PCR	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Nasal (NASCF) or oropharyngeal (ORAPH) swabs collected from horses with respiratory disease signs. In the absence of viral transport medium, submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. Nasopharyngeal wash (NPW) and tracheal wash (TW) samples may also be appropriate respiratory samples from horses. Urine samples may be submitted for urinary tract infections in equines or camelids. For abortions in camelids only; fresh placenta and fetal tissues including pancreas, kidney and spleen.	Sealed vials that prevent desiccation.	Refrigerate. Ship in insulated container with ice packs
<p>reverse transcriptase - quantitative polymerase chain reaction (RT-qPCR)                      This is a new test to detect ERAV which may be identified in horses during outbreaks of acute respiratory disease and urinary tract infections. It may also be used in cases of abortion in camelids. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.</p>							
Equine Rhinitis Virus B PCR	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Nasal (NASCF) or oropharyngeal (ORAPH) swabs collected from horses with respiratory disease signs. In the absence of viral transport medium, submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. Nasopharyngeal wash (NPW) and tracheal wash (TW) samples may also be appropriate respiratory samples.	Sealed vials that prevent desiccation.	Refrigerate. Ship in insulated container with ice packs.
<p>reverse transcriptase - quantitative polymerase chain reaction (RT-qPCR)                      This is a new test to detect ERBV which may be identified in horses during outbreaks of acute respiratory disease. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Equine sCD14 Assay	22.00	Serology	Mon - Fri	1-2 days	Serum. Contact the lab for information on testing samples other than serum (607)-253-4343.	red top blood collection tube	Freeze. Ship to arrive overnight in insulated container with ice packs.
<p>The sCD14 assay utilizes fluorescent bead technology to quantify sCD14 levels in serum relative to a recombinant sCD14 standard. Please contact the Serology/Immunology laboratory (607-253-3678) before a larger sample submission is planned to provide us with approximate sample numbers and to ensure the timely measurement of your samples. For 20 or more samples received together, the cost is \$12/sample.</p>							
Equine TEG	54.50	Comparative Coagulation	M-F; 9am-4pm	same day	Time sensitive test, please call Coag Lab 607-253-3648, before collecting sample.	Blood must be drawn directly into a blue top vacutainer or syringe containing premeasured 3.8% sodium citrate or 3.2% citrate.	Whole blood MUST be maintained at room temperature, do not refrigerate.
<p>Measures dynamics of fibrin formation, stabilization and lysis                      Citrate whole blood must be in COAGULATION LAB within 15 min of blood draw. DO NOT CENTRIFUGE OR REFRIGERATE whole blood sample. Call 607-253-3648 to alert the lab that test is coming.</p>							
Equine Vaccine Titer Plan	329.50 (+ referral fees; see comment)	Multiple Sections	M - F		Serum (separated); provide at least 0.5 ml serum per test requested.	Red top blood collection tube	Refrigerate. Ship overnight in insulated container with ice packs
<p>This plan includes Equine Herpesvirus-1 SN, Equine Herpesvirus-4 SN, Equine Influenza Virus HAI, Equine Rhinitis A Virus SN, Equine Rhinitis B Virus SN, Lyme Disease, Equine Multiplex, Potomac Horse Fever IFA, Eastern Encephalitis HI, Western Encephalitis VN, Rabies Titer, Streptococcus equi ELISA, WNV IgG/IgM Capture ELISA                      Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Testing in this plan that is sent to Referral Labs are: Eastern Encephalitis HI, Western Encephalitis VN, Rabies Titer, Streptococcus equi ELISA</p>							

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Equine Wellness, Newborn Foal (0-48 hours)	105.00	Clinical Pathology	M-F	1-2 days	1) EDTA blood, 2) Separated serum or heparinized plasma, 3) 2 blood smears	1) Purple top tube; 2) red top or green top tube; 3) frosted end slides	1) Refrigerate. Ship in insulated container with cold packs; 2) Do not refrigerate slides. Ship at room temperature.
<p>Tests included in this panel are: Fibrinogen (heat-precipitated); Hemogram, routine (CBC); Large Animal Chemistry Panel                      To perform all tests included in this panel, all samples listed must be submitted</p>							
Escherichia coli Genotyping PCR	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) isolate of E. coli	1) isolate already in lab; 2) TSA slant	Refrigerate
<p>E. coli Genotyping PCR; bovine only                      The Animal Diagnostic Center uses a referral lab for non-bovine samples.</p>							
Estrone Sulfate Equine only Collect serum at least 100 days after breeding. For more information, see Appendix C	29.00	Endocrinology	M	1-8 days	1 mL serum	plastic or glass tube	Refrigerate
Ethylene Glycol	55.00 /sample	Toxicology	M-F	2 days	1) 10 mL heparin whole blood; 2) 10 mL EDTA whole blood; 3) urine; 4) food materials; 5) stomach contents	1,2) Heparinized or EDTA tube, no gel clot(3-5) sterile, leak-proof container	1-5) Refrigerate w/ cool pack
<p>Special request only, contact Lab</p>							
Fecal Flotation	25.00	Parasitology	M - F	1-3 days	10g fresh fecal samples from animals 3 days of age or older	leak-proof container	Refrigerate. Ship overnight in insulated container with ice packs.
<p>Modified Wisconsin double centrifugation concentration technique                      Our fecal flotation test uses a range of flotation solutions from 1.18 to 1.33 specific gravity to create a broad spectrum test that detects actively shedding parasites. This includes protozoa, trematodes, cestodes, nematodes, acanthocephalans, etc in a wide variety of hosts (domestic pets, farm animals, wild animals, exotics and zoo animals). Additionally, parasites will be quantified based on host (i.e. ruminants, camelids, horses, farm animals, and large exotics/wild animals), sample condition (diarrheic samples will not be quantified), and when requested for research testing.  <b>Samples from individual animals are preferred. For best results submit fresh/refrigerated samples within seven days of collection.</b> Samples that are preserved in 10% formalin or 70% alcohol can be tested but the preservative may compromise the quality of the sample for parasite detection.</p>							
Fecal Flotation with Discount	20.00	Parasitology	M - F	1-3 days	10g fresh fecal samples from animals 3 days of age or older	leak-proof container	Refrigerate. Ship overnight in insulated container with ice packs
<p>Modified Wisconsin double centrifugation concentration technique                      A discount is given to submissions with 6/+ fecal flotations. See Fecal Flotation test for more test details</p>							
Fecal Wet Mount Was previously called "Direct Fecal Smear" Exam for motile parasites. This test for Cornell CUHA only (must be read within 1 hr of fecal production by host). See Trich. Fecal Exam, Staining for Other Protozoa, or Giardia ELISA	5.50	Parasitology	M-F	1 day	10g fresh fecal sample	wide mouth leak-proof container	Do NOT Refrigerate
Feline Blood Typing Feline blood typing Ship Overnight: do NOT freeze whole blood samples	29.75	Comparative Coagulation	M-F	same day	1 to 3 mL EDTA whole blood	lavender top tube	Refrigerate/ship on cold pack
Feline Calicivirus (FCV) Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if positive	1) Nasal swab; pharyngeal swab; ocular swab; 2) Tracheal wash; broncho-alveolar lavage; 3) Upper airway tissue; lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Calicivirus (FCV) SN Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	M	3-10 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Calicivirus FA (FCV) Fluorescent antibody	25.00	Virology	M - F	2 - 4 days		Sealable plastic bag or container	Ship in insulated container with ice pack

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Feline Coronavirus ELISA (FCOV)  Feline Coronavirus ELISA (FCOV) detects antibodies to Coronavirus IgG in feline plasma or serum	22.00	Serology	2-3 days/week	2-3 days	1ml feline serum or plasma	red top blood collection tube	Refrigerate
Feline Enteric Coronavirus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Tissues with defined lesions	Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Enteric Coronavirus/FIP PCR  The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. The coronavirus associated with Feline Infectious Peritonitis is not distinguished from enteric coronavirus of cats. FIP cases would be expected to have virus in affected tissues and fluids. For species specific testing information please see Coronavirus PCR Guidelines. Preferred sample is feces swab in red top tube or intestinal tissue.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) EDTA blood or serum (min. 2 mL); 2) tissue (min. 5 g); 3) ascites or body fluid (min. 2 mL); 4) feces (min 5 g) Min Sample Volume:	unbreakable, leak-proof container	Refrigerate
Feline Heartworm Antibody  Lateral Flow Immunoassay This test detects antibodies resulting from heartworm infections in cats that may include immature worms, adult male and female worms or single sex male or female infections. This test is validated for samples from domestic feline hosts only. An Occult Heartworm test that detects antigen produced by adult D. immitis can be performed at the same time using the sample submitted for the Antibody test at an additional charge.	15.00	Parasitology	Tuesday, Friday	1-3 days	0.5 mL Serum	Red top blood collection tube	Refrigerate
Feline Herpesvirus (FHV) (Rhinotracheitis) Isolation  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab; pharyngeal swab; ocular swab; 2) Tracheal wash; broncho-alveolar lavage; 3) Upper airway tissue; lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Herpesvirus (FHV) (Rhinotracheitis) SN  Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	M	3-10 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Herpesvirus (FHV) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	1) lung; 2) air-dried ocular smear; 3) Fetal lung, liver, kidney, adrenal, spleen	1) Sealable plastic bag or container; 2) Slide mailer; 3) Sealable plastic bag or container	1, 3) ship in insulated container with ice pack 2) No coolant
Feline Immunodef Virus (FIV) ELISA  The FIV ELISA detects antibodies to the Feline Immunodeficiency Virus (FIV). Felines with equivocal FIV ELISA results, except kittens, require Western Blot confirmation, as do all exotics. In these cases, FIVWB is added automatically unless the submitter specifies on the submission form not to run it. Note: The FIVWB cannot be ordered by itself, it must be accompanied with the FIV ELISA. If the FIVWB is requested, the FIV ELISA will be automatically added with its fee billed in addition to the FIVWB fee.	26.00 /animal	Serology	2x/wk	2-3 days	1 mL serum or plasma	red top or purple top blood collection tube	Refrigerate
Feline Immunodeficiency Virus (FIV) western blot  The FIV Western blot detects the presence of antibodies to FIV in serum or plasma, primarily in samples having equivocal ELISA results. The FIV Western blot cannot be ordered by itself, see comment above. Felines with equivocal FIV ELISA results, except kittens, require Western Blot confirmation, as do all exotics regardless of ELISA result. In these cases, FIVWB is added automatically unless the submitter specifies on the submission form not to run it. Note: The FIVWB cannot be ordered by itself, it must be accompanied with the FIV ELISA. If the FIVWB is requested, the FIV ELISA will be automatically added with its fee billed in addition to the FIVWB fee.	38.00 /sample	Serology	2x/wk	4-5 days	2 mL serum	red top blood collection tube	Refrigerate
Feline Influenza Virus Isolation  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Feline Influenza Virus Matrix PCR  This PCR assay will detect most if not all influenza virus types currently circulating in most species, including 2009 H1N1. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) nasal swab; or 2) tissue (min. 5 g); or 3) allantoic fluid (min. 2 mL) or other culture	unbreakable, leak-proof container	Refrigerate
Feline Leukemia Virus (FeLV) ELISA  The FELV ELISA detects FeLV group-specific antigens in the blood of infected cats.	19.00 /sample	Serology	M-F	2-3 days	Serum, plasma or whole blood	red top or purple top blood collection tubes	Refrigerate
Feline Parvovirus (Panleukopenia) FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Ileum, jejunum	Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Parvovirus (Panleukopenia) Virus HI  Hemagglutination Inhibition Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	Varies	2-4 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Parvovirus FA (Panleukopenia)  Fluorescent antibody	25.00	Virology	M-F	2-4 days		Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Respiratory Disease Virus Isolation  Includes: FHV, FCV, FePNV, FSV + Unknowns Swabs in bacterial transport medium (Ames, Port-a-cul, etc) are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Respiratory Panel PCR  This panel has PCR assays to detect: Mycoplasma felis, Chlamydia species, Pneumovirus, Bordetella bronchiseptica, Influenza A virus, Mycoplasma cynos. To test for feline herpes virus and calicivirus, please request virus isolation. Testing for feline herpesvirus and feline calicivirus can be done by virus isolation. Please request VI in addition to the Feline Respiratory Panel PCR.	50.00	Molecular Diagnostics	M-F, as needed	2-3 days	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	Securely closed tube with viral transport media or a few drops of saline	Refrigerate. Ship to lab over night in insulated container with ice pack(s)
Feline Syncytial Virus (FSV) SN  Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50	Virology	contact lab	4-11 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Toxoplasmosis ELISA To detect Toxoplasma gondii IgG antibodies in feline/felidae serum or plasma.	20.00	Serology	2-3X/week	3 days	2 ml serum or plasma	Red top or purple top tube	Refrigerate
Feline Vaccine Panel 1  Includes Feline Herpesvirus (Rhinotr) SN and Feline Panleukopenia Virus HI Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	33.00 /sample	Virology	Varies	5 - 9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Vaccine Panel 2  Includes Feline Herpesvirus (Rhinotr) SN and Feline Panleukopenia Virus HI and Feline Calicivirus SN Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	49.50 /sample	Virology	Varies	5 - 9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Vaccine Panel 3  Includes Panleukopenia HI and Calicivirus SN Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	33.00 /sample	Virology	Varies	5 - 9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
<p>Ferret Enteric Coronavirus PCR</p> <p>The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. For species specific testing information please see Coronavirus PCR Guidelines</p>	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) tissue (min. 5 g); 2) ascites or body fluid (min. 2 mL); 3) feces (min 5 g)	unbreakable, leak-proof container	Refrigerate
<p>Ferret Influenza Virus Matrix PCR</p> <p>This PCR assay will detect most if not all influenza virus types currently circulating in most species, including 2009 H1N1. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.</p> <p>This service is performed pursuant to an agreement with Roche Molecular Systems.</p>	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) nasal swab; or 2) tissue (min. 5 g); or 3) allantoic fluid (min. 2 mL) or other culture	unbreakable, leak-proof container	Refrigerate
<p>Fibrin Degradation Product (FDP)</p> <p>Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>	34.00	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Fibrinogen</p> <p>Quantitative measure of clottable fibrinogen (Claus method) Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>	22.00	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Fibrinogen (antigen)</p> <p>Fibrinogen concentration; ELISA method Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>	43.00	Comparative Coagulation	Tu, F	1-3 days	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>Fibrinogen (heat-precipitation)</p> <p>Formerly named Fibrinogen (Schalm's) <b>Do not allow coolant to come in contact with specimen.</b> This test is not recommended for small animals due to its inaccuracy and insensitivity. The preferred method for small animals is measurement of clottable fibrinogen (citrated plasma) offered in the Comparative Coagulation lab. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com/hemostasis</p>	16.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>Field Necropsy Surcharge</p> <p>For necropsied animals it is always recommended to submit a complete set of tissues representing major organ systems and any sites potentially involved based upon clinical history, ante-mortem testing, or post-mortem gross lesions. Tissues will be selected for histopathological examination based upon the clinical history and gross description provided, at the discretion of the pathologist. A clinical history for the individual animal and potentially also for the herd or population from which the animal originates is very important. Also indicate if the animal was euthanized. This charge will be added to any histopathology request on ante-mortem tissues unless deemed unnecessary by the reviewing pathologist, in which case only a standard histopathology charge will be applied.</p>	56.00 in addition to standard histopathology fee.	Anatomic Pathology	M-F	4-10 days	0.5 to 1.0 cm thick section of tissue fixed in 10% neutralized formalin, 10:1 formalin to tissue ratio.	Wide-mouth, leakproof, unbreakable jar; NOT GLASS	room temperature; protect from freezing
<p>Fluphenazine (LC/MS)</p> <p>(Liquid Chromatography/Mass Spectrometry) Liquid Chromatography/Mass Spectrometry (LC/MS)</p>	165.50 /sample	Toxicology	M-F	1-3 days	1) 10 mL heparine whole blood; or 2) 5 mL heparine plasma transferred to red top tube	Heparinized tube, no gel clot	Refrigerate with cold pack
<p>Folate, Folic Acid</p> <p>Avoid hemolysis and excessive exposure to direct light; see Appendix C</p>	27.00	Endocrinology	Tu	1-8 days	1 mL serum; avoid EDTA plasma	plastic or glass tube	Refrigerate
<p>Formalin-fixed tissue extraction surcharge (Molecular Diagnostics 20.00)</p> <p>Surcharge added to fixed tissues due to the extra labor and materials needed for the nucleic acid extraction procedure.</p>	20.00	Molecular Diagnostics	M-F		Formalin-fixed tissues		Room temp

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Free T4 Immulite  Canine only For more information, see Appendix C	26.00	Endocrinology	M, T, W, Th, F	2-4 days	1 mL serum	plastic or glass tube	Refrigerate
Free-T4 (Immulite) & TSH combination  Includes FT4 and TSH For more information, see Appendix C or Canine Thyroid Testing	36.00	Endocrinology	M, T, W, Th, F	1 business day	1 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice packs.
Free-T4 (Immulite), TSH & TGA combination  Includes Free T4, TSH, and TGA Not for OFA certification or registry. For more information please see Appendix C or Canine Thyroid Testing	46.00	Endocrinology	M,T,W,Th,F	2-6 days	1.5 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice packs.
Free-T4 by dialysis & TSH combination Includes Free T4 by dialysis and TSH For more information, see Appendix C	49.00	Endocrinology	M, Th	1-5 days	1 - 2 mL serum	plastic or glass tube	Refrigerate
Free-T4 by dialysis baseline (FT4d) For more information, see Appendix C	42.00	Endocrinology	M, Th	1-5 days	1.5 mL serum	plastic or glass tube	Refrigerate
Fructosamine  See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	36.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum	red top blood collection tube	Refrigerate. Ship overnight in insulated container with freezer packs
Fungal Culture  For the isolation of yeasts, dermatophytes and other filamentous fungi. *May qualify for New York State contract pricing. **Swabs are not encouraged for tissues or body fluids. Keep tissues moist. Ship overnight. Antifungal susceptibilities are not included in the testing fee.	47.00 /sample	Bacteriology	M-F	28+ days	1)Nails, skin scrapings or 10-12 hairs from border of lesion; combings from asymptomatic cats (dermatophytes); 2)Fresh tissue or body fluids (systemic fungi/yeast); 3)Ear (yeast); 4) Swab of lesion, tissue, fluid or ear	1) DRY sterile sealed container (e.g. closed urine cup or envelope); 2) Fluid or tissue in Sterile, sealed container (e.g. red top blood collection tube); 4) Swab in Amies transport media**	1) Not required; 2) Refrigerate
Fungal ID For the identification of pure fungal isolates (filamentous fungi or yeast). Submissions accepted from Laboratories only. Ensure purity before shipment. Follow all biohazard shipping regulations. Provide animal history and suspected identification if possible. Antifungal susceptibilities are not included in the testing fee.	47.00 /isolate	Bacteriology	M-F	28+ days	Fungal isolate (pure culture)	Agar slant or plate (sealed)	Refrigerate
Fungal KOH Fluorescent Stain  For the direct microscopic examination for yeast and fungi. *May qualify for New York State contract pricing . Swabs are not acceptable	12.00 /sample	Bacteriology	M-F	1-2 days	1)Nails, skin scrapings or 10-12 hairs from border of lesion; combings from asymptomatic cats (dermatophytes); 2)Fresh tissue or body fluids (systemic fungi/yeast); 3)Prepared slide	1) DRY sterile sealed container (e.g. closed urine cup or envelope); 2) Sterile sealed container (e.g. red top blood collection tube); 3) Slide mailer	1,3) Not Required; 2) Refrigerate
Fungal Serology Panel  For the detection of antibody to Histoplasma, Blastomyces, Coccidioides and Aspergillus (AGID) and Cryptococcus antigen in serum. Tests can be requested individually. See Histoplasma AGID, Blastomyces AGID, Coccidioides AGID, Aspergillus AGID or Cryptococcus antigen. Cryptococcus antigen test can also be performed on cerebrospinal fluid (CSF).	64.00	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube or sealed sterile container	1-2) Refrigerate

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Fungal Serology: Aspergillus Antibody  For the detection of Aspergillus antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Fungal Serology: Blastomyces Antibody  For the detection of Blastomyces antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Fungal Serology: Coccidioides Antibody For the detection of Coccidioides antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate
Fungal Serology: Cryptococcus Antigen  For the detection of antigen to Cryptococcus spp. in serum. Test is also part of the Fungal Serology Panel.	22.00 /sample	Bacteriology	M-F	1 day	1) Serum; 2) Cerebrospinal fluid	1) Red top blood collection tube; 2) Sealed sterile container	1-2) Refrigerate
Fungal Serology: Histoplasma Antibody For the detection of Histoplasma antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate
Fungal Susceptibility  This test includes Amphotericin B, 5-Flucytosine, Anidulafungin, Caspofungin, Micafungin, Fluconazole, Itraconazole, Posaconazole, Voriconazole *May qualify for New York State contract pricing. **Swabs are not encouraged for tissues or body fluids. Susceptibilities will NOT be performed on dermatophytes or other slow growing fungi. Fungal culture MUST be performed to recover an isolate before testing can be done. ***Lag time may be longer if isolation is required. From time of isolation: 5-6 days for yeast, 12-14 days for filamentous fungi.	68.00 /isolate	Bacteriology	M-TW	6 days for pure isolate***	1) Fresh tissue or body fluids (for filamentous fungi and yeasts to assess systemic infection); 2) Fungal isolate (pure culture) – yeast or fast growing filamentous fungi ONLY	1) Sealed sterile container (preferred) or *Amies transport media (swab); 2) Agar slant or plate (sealed)	1) Refrigerate; 2) Not required
Gamma Glutamyl Transferase (GGT)  See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	9.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Gamma Glutamyl Transferase (GGT), urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs.
Giardia ELISA ELISA plus Centrifugation Concentration Flotation with Sugar and/or Zinc Sulfate. A Fecal Qualitative or Quantitative exam will be performed with each ELISA at an additional fee. This ELISA cannot be requested alone. If both Cryptosporidium and Giardia ELISA's are ordered, only one flotation will be performed and charged.	25.00	Parasitology	Mon, Thur	1-3 days	feces	wide mouth leak-proof	Refrigerate
Glucose  Glucose levels in blood and fluids Delayed serum separation or submission of whole blood (cells on serum or plasma) results in a falsely decreased (uninterpretable) glucose. Serum should also be removed promptly from serum separator tubes and placed into a new red top tube. See Test Info and Protocols for more information For test interpretation, refer to eclinpath.com Test reference ranges can be found at Clinpath Reference Intervals.	11.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum, EDTA plasma, or heparinized plasma; 2) fluid	Red top (non-anticoagulant), green top (heparin), or purple top (EDTA) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Glucose, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs

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Glutamate Dehydrogenase, blood	8.50	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>See Test Info and Protocols for more information.                      Test reference ranges can be found at Clinpath Reference Intervals.                      For test interpretation, refer to eclinpath.com</p>							
Gram Stain	8.50 /sample	Bacteriology	M-F	1-2 days	1) Affected tissue, lesion or fluid; 2) Prepared slide	1) Affected tissue, lesion or fluid in sealed sterile container; 2) Slide mailer	1) Refrigerate; 2) Not required
<p>For the direct microscopic examination for bacteria.                      *May qualify for New York State contract pricing. Please consider using the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine submissions. Specific bacteria cannot be definitively identified by this test.</p>							
Hemoglobin (HGB)	7.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>Do not allow coolant to come in contact with specimen; ship Overnight. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Hemogram (CBC), Automated (Mammalian)	18.50	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	1) Refrigerate blood; ship in insulated container with freezer pack for next day delivery. Hold slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
<p>WBC, RBC, Hgb, HCT, MCV, MCH, MCHC, RDW, Plate Count, MPV, Automated Differential Cell Count                      Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Clin Path panels Test reference ranges can be found at Clinpath Reference Intervals. For instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a></p>							
Hemogram (CBC), Partial	11.50	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2 dry, unfixed, unstained blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate purple top tube. Ship overnight in insulated container with freezer packs. Keep slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
<p>WBC, RBC, Hgb, Platelet Count, PCV, MPV, RDW, MCH, MCHC, MCV                      Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional information see Hematology Testing. Test reference ranges can be found at Clinpath Reference Intervals.</p>							
Hemogram, Avian	40.00	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate; ship in insulated container with freezer pack for next day delivery; protect slides from coolant by insulating separately
<p>WBC, PCV, manual leukocyte differential, WBC morphology, RBC morphology, platelet smear estimate, parasite check, plasma appearance, total protein (refractometer)                      Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional information see Hematology Tests. For instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a></p>							

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Hemogram, Large Animal  WBC, RBC, HgB, HCT, MCV, MCH, MCHC, RDW, Plate Count, MPV, Morphology, Manual Differential Cell Count, Plate Smear est, Plasma Appearance, TP Protect slides from chilling/coolant during storage/shipment. Test reference ranges can be found at Clinpath Reference Intervals. For instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a> Flags for Clinical Pathologist Review of CBCs	41.00	Clinical Pathology	M - Sa	1 - 2 days	EDTA blood (tube >1/2 full) AND 2 unstained, unfixed, air-dried blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate blood; ship in insulated container with freezer packs for next day delivery. Hold slides at room temperature; protect from chilling/coolant by insulating separately during shipment
Hemogram, Other  WBC, RBC, HgB, HCT, MCV, MCH, MCHC, RDW, Plate Count, MPV, Morphology, Manual Differential Cell Count, Plate Smear est, Plasma Appearance, TP Protect blood smears from chilling/coolant For instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a>	41.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (tube >1/2 full) AND 2 unstained, unfixed, air-dried blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate blood; ship in insulated container with freezer packs for next day delivery. Hold slides at room temperature; protect from chilling/coolant by insulating separately during shipment
Hemogram, Reptile  WBC, PCV, manual leukocyte differential, WBC morphology, RBC morphology, platelet smear estimate, parasite check, plasma appearance, total protein (refractometer) Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Hematology Tests. For instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a>	40.00	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate blood; ship in insulated container with freezer pack for next day delivery. Hold slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
Hemogram, Small Animal  WBC, RBC, HgB, HCT, MCV, MCH, MCHC, RDW, Plate Count, MPV, Morphology, Manual Differential Cell Count, Plate Smear est, Plasma Appearance, TP Test reference ranges can be found at Clinpath Reference Intervals. Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Clin Path panels Flags for Clinical Pathologist Review of CBCs	42.00	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	1) Refrigerate blood; ship in insulated container with freezer pack for next day delivery. Hold slides at room temperature; protect slides from chilling/coolant by insulating separately during shipment.
Hemophilia B Mutation Detection PCR (GWHP)  For German Wirehaired Pointers: direct test to detect a specific Factor IX mutation Ship Overnight: this service is performed pursuant to an agreement with Roche Molecular Systems, Inc.; see Appendix D for additional info on Submission Guidelines, or see Testing Services - Hemophilia B in German Wirehaired Pointers	121.25	Comparative Coagulation	bi-weekly	1-2 wks	3 mL EDTA whole blood (also acceptable: citrate, heparin, ACD whole blood)	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Hemophilia Panel, Small Animal  Incl. aPTT, PT, TCT, Factor VIII:C, Factor IX:C, vWF:Ag. See interpretation information. Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	69.75	Comparative Coagulation	Mon, Wed, Fri	1-3 days	2 - 3 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack

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Hemostasis Panel, Small Animal  Incl. aPTT, PT, TCT, vWF:Ag. See interpretation information Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	44.50	Comparative Coagulation	Mon, Wed, Fri	1-3 days	2 - 3 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Heparin (Low Molecular Weight)  Anti-Xa activity of low molecular weight heparin Ship Overnight: for determination of peak anti-Xa values, collect sample 2-3 hrs (cat) or 3-4 hrs (dogs) after heparin dose. For additional info on Submission Guidelines, or see Comp Coag web page. Also see Heparin Assay FAQs.	39.25	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Heparin (Unfractionated)  Anti-Xa activity of unfractionated heparin Ship overnight: specify UFH or LMWH; for additional info on Submission Guidelines, or see Comp Coag web page. Also see Heparin Assay FAQs. Peak and trough values: samples for determination of Peak anti-Xa activity should be collected at 3 to 4 hours post treatment (dogs) or 2 to 3 hours post treatment (cats). Samples for Trough levels should be collected just before the next scheduled dose.	39.25	Comparative Coagulation	M-F	same day	0.5 to 1.0 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Histopathology (Each additional site)  Additional charge added for each site evaluated beyond 2 surgical biopsy sites that are part of a standard biopsy. Please call the lab to arrange STAT testing. Three tissues per case as a STAT unless prior arrangements are made. Please call 607-253-3319 to arrange STAT histopathology.	20.50 in addition to base surgical biopsy (HISTO) charge	Anatomic Pathology	M-F	4-10 days	0.5 - 1 cm thick section of tissue fixed in 10% neutral buffered formalin, 10:1 formalin to tissue ratio	Wide-mouth, unbreakable jar containing 10% neutral buffered formalin; NOT GLASS	
Histopathology (Surgical Biopsy 1-2 Sites)  Microscopic examination of formalin fixed, paraffin embedded tissue slides with hematoxylin and eosin staining. Additional special stains, including up to two immuno-histochemistry (IHC) stains, will be added if deemed necessary by the pathologist. Additional IHC stains may be requested for an additional fee. This 1-2 site fee is intended for surgical biopsies and is the baseline charge for the special biopsy categories below. Use Histology Submission Form. Surcharges for these will be added to the surgical biopsy fee based on the following criteria: Dermatology Biopsies (1-5 sites): Dermatohistopathology Submission Form Includes up to 5 sites or 5 skin punch biopsies processed for dermatohistopathology evaluation. Please identify multiple biopsies that need to be interpreted separately from each other (ex. submit in separate jars or mark with sutures in the same jar). Test codes HISTO + HISTODRM.(\$110) Liver Consult: Use Liver Submission Form via the Liver Portal. High quality specialized hepatopathology interpretation of liver biopsy specimens by Dr. Sean McDonough, a board certified veterinary pathologist with high level expertise in liver pathology. Test codes HISTO + AHISLP + LVRSM (\$230.50) Whole Organs, Limbs, Special/Augmented Biopsies: Use Histopathology Submission Form. Intended for complex submissions of entire organs, lobes, systems, tumor beds, limbs, jaws, etc. This includes research/insurance/legal cases for which every single tissue submitted must be described histologically and the selection of the tissues is not at the discretion of the pathologist. It may also include complicated submissions of entire organs or tumor beds or lymphatic samples that need exact tracking of site of collection for multiple samples of the same tissue type. This may include a gross evaluation of fresh tissues. Test codes HISTO + HISTOSPC (\$136.00) Field Necropsy Submissions: Use Histopathology Submission Form. Veterinarian performed necropsies. For animals necropsied it is always recommended to submit a complete set of tissues representing major organ systems and any sites potentially involved based upon clinical history, ante-mortem testing, or post-mortem gross lesions. Tissues will be selected for histopathological examination based upon the clinical history and gross description provided, at the discretion of the pathologist. A clinical history for the individual animal and potentially also for the herd or population from which the animal originates is very important. Also indicate if the animal was euthanized. May qualify for New York State Contract Pricing.(\$136.00)	80.00 for 1-2 sites; Additional charges apply for submissions including more than 2 sites, specialty services such as dermatology or hepatopathology consults (liver consults), complex submissions, or field necropsies as described below. STAT not available on all submissions. Please contact in advance for availability at 607-253-3319 or pathologyservice@cornell.edu.	Anatomic Pathology	M-F	4-10 days	0.5 to 1.0 cm thick section of tissue fixed in 10% neutralized formalin, 10:1 formalin to tissue ratio.	Wide-mouth, leakproof, unbreakable jar; NOT GLASS	room temperature; protect from freezing

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Histopathology STAT Fee  Please contact lab at 607-253-3319 or email <a href="mailto:pathologyservice@cornell.edu">pathologyservice@cornell.edu</a>	65.00	Anatomic Pathology					
Histopathology, Slide Review (1-2 slides)  1-2 slides Contact Path Dept (607-253-3312)	55.00	Anatomic Pathology	M-F	3 days	1 to 2 Slides	Slide mailer	
Histopathology, Slide Review (3+ slides)  3 or more slides Contact Path Dept (607-253-3312)		Anatomic Pathology	M-F	3 days	3 or more slides	Slide mailer	
Horse Cytokine 5-plex Assay  The Cytokine 5-plex Assay is based on fluorescent bead technology that allows the simultaneous measurement of five equine cytokines (IL-4, IL-10, IL-17, IFN-g, IFN-a), in a single sample Please contact the Serology/Immunology laboratory (607-253-3678) before a larger sample submission is planned to provide us with approximate sample numbers and to ensure the timely measurement of your samples. For 20 or more samples received together, the cost is \$12/sample.	40.00 /sample; (discount for >19 samples)	Serology	M, Th	Dependent upon number of samples	Serum, colostrum, CSF, other body fluids, cell culture supernatant	red top blood collection tube	Refrigerate
Human Adenovirus 5 SN serum neutralization THIS TEST FOR INTERNAL USE ONLY.	12.00	Virology	As needed		serum	red top blood collection tube	
IHC w/o Histopathology	35.00	Anatomic Pathology	M-F	2-7 days	formalin fixed tissue (paraffin-embedded), or tissue mounted on glass slides		room temperature; protect from freezing
Immunoglobulin A (Quantitative IgA)  IgA by radial immunodiffusion (RID) Canine Only. For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a>	30.00	Clinical Pathology	1x/week	7 days	1 mL separated serum	plain glass or plastic tube	Refrigerate
Immunoglobulin G, Bovine - TIA  Quantitative IgG measurement, e.g. for failure of transfer of passive immunity For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a>	30.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum	Plain glass or plastic tube	Refrigerate
Immunoglobulin G, Camilid - TIA  Turbidometric Immunoassay test for IgG in serum Camelids only (New World) - Alpacas, Llamas. Please refer to the Immunoglobulin G, Camelid Expanded Information Sheet or Testing Strategy tab for more information. For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a>	30.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum	plain glass or plastic tube	Refrigerate. Ship overnight with ice packs.
Immunoglobulin G, Canine and Feline  IgG by radial immunodiffusion (RID). Dog and cat only (note, bovine, horse and camelid IgG is now measured using a different method; see specific IgG measurement for those species). For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a>		Clinical Pathology	1x/week	7 days	1 mL separated serum	plain glass or plastic tube	Refrigerate
Immunoglobulin G, Colostrum  IgG by turbidometric immunoassay (TIA)	36.00	Clinical Pathology	M-Sa	1-2 days	1 ml	Red top (non-anticoagulant) tube	Refrigerate
Immunoglobulin G, Equine - TIA  Turbidometric Immunoassay test for IgG in serum For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a>	30.00	Clinical Pathology	M-Sa	1-2 days	500 ul separated serum	plain glass or plastic tube	Refrigerate

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Immunoglobulin M (Quantitative IgM)  IgM Canines only. For test interpretation, refer to eclinpath.com	30.00	Clinical Pathology	1x/week	7 days	1 mL separated serum	plain glass or plastic tube	Refrigerate
Immunoglobulins, Quantitative: IgA, IgG, and IgM  IgA, IgG, and IgM Canines only. For test interpretation, refer to eclinpath.com	75.00	Clinical Pathology	1x/week	7 days	1 mL separated serum	plain glass or plastic tube	Refrigerate
Infectious Bov Rhinotrach (IBR) kinetic ELISA The IBR Kinetic ELISA detects antibodies to IBR Single samples only by request (contract)	11.00	Serology	2-3x/wk	2 days	2 mL serum, paired	red top blood collection tube	Refrigerate
Infectious Bovine Rhinotrach (IBR) (BHV-1) Virus Isolation  Bovine Herpesvirus -1 (IBR) Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Lung tissue; 4) Fetal tissues (Lung, liver, kidney, spleen, adrenal; 5) Placenta	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3, 4, 5) Sealable plastic bag or container	Ship in insulated container with ice pack
Infectious Bovine Rhinotrach (IBR) (BHV-1) Virus SN OIE  Serum neutralization Testing to meet Office of Int'l Epizootics (OIE) standards. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	14.50	Virology	Th	7-10 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Influenza Virus Matrix PCR  This PCR assay will detect most if not all influenza virus types currently circulating in most species, including 2009 H1N1 and the 2015 Canine H3N8. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. All canine and feline samples testing positive for influenza A matrix will be further tested to determine subtype. Subtyping will be done automatically and at no additional charge. Results will be available within 3-5 days following release of the original result on an addended report. *May qualify for New York State contract pricing. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) tracheal, choanal, oropharyngeal, cloacal (duck) 2) tissue (min. 5 g); 3) allantoic fluid (min. 2 mL)	unbreakable, leak-proof container	Refrigerate
Insulin - Leptin  Equine only For more information, see Equine Metabolic Syndrome Tests.	42.00	Endocrinology	M, W, Th	3-9 days	serum or EDTA plasma	Red top and lavender topped blood collection tube	Refrigerate
Insulin baseline - not equine  Avoid hemolysis and lipemia. For more information, see Appendix C	19.00	Endocrinology	M, W, Th	2-6 days	1.5 mL serum or EDTA plasma; do not send sample on cells	plastic or glass tube	Refrigerate
Insulin baseline (Equine)  Avoid hemolysis and lipemia. For more information, see Appendix C	19.00	Endocrinology	M, W, Th	2-6 days	1.5 mL serum or EDTA plasma; do not send sample on cells	plastic or glass tube	Refrigerate
Insulin: Bovine/Rodent  For Bovine, rats and mice	19.00	Endocrinology	Tuesday	1 - 7 days	250 uL serum or EDTA plasma	plastic or glass tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Insulin: Oral Sugar Test Equine only Equine only: For more information, please see Equine Metabolic Syndrome (EMS) Testing	19.00	Endocrinology	M-F	2 days	serum or EDTA plasma; 0.5 mL each sample	plastic or glass	Refrigerate

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Insulin: Post Oral Sugar Test Equine only For more information, please see Equine Metabolic Syndrome (EMS) Testing	18.00	Endocrinology	M-F	2 days	0.5 ml serum or EDTA plasma;	plastic or glass	Refrigerate
Investigational sequencing  Pathogen identification, characterization, and/or discovery by unbiased or semi-targeted NGS will be attempted.	100.00	Contact lab Molecular Diagnostics	varies	~ 1 month	CSF, brain tissue (fresh or frozen), or EDTA blood preferred	sterile sealed container	Refrigerate
Ionized Calcium  Test run on serum only Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	18.50	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum ONLY	non-anticoagulant tube (plain red top)	Refrigerate and ship overnight in insulated container with freezer packs. If more than a 48 hour delay, freeze serum and ship on dry ice.
Ionophore Quantitation  Quantitation of monensin and/or lasalocid. Liquid Chromatography/Mass Spectrometry (LC/MS)	165.50 per hour	Toxicology	As needed	1-3 days	Feed (gallon size ziplock bag or equivalent)	Clean ziplock bag or other unbreakable container	Refrigerate w/ cool pack
Iron  See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma;	plain glass or plastic tube	Refrigerate
Iron Panel  Iron (FE), Total Iron Binding Capacity, % Saturation See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	20.00	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	plain glass or plastic tube	Refrigerate
Johne's (MAP) Commercial ELISA  The Johnes Commercial ELISA detects antibodies to Mycobacterium avium subsp. paratuberculosis (MAP). This test is validated and USDA licensed for the detection of MAP specific antibodies in bovine serum or plasma and caprine serum. This test is for use on Bovine serum or plasma and caprine serum. Ovine samples can be tested, but the assay has not been formally validated for use with samples from this species.	5.00	Serology	M-F	3-4 Days	for Bovine: 2mL serum or plasma; for Caprine: 2mL serum	red top blood collection tube	Refrigerate
Johne's AGID  For the detection of antibody to Mycobacterium avium sbps. paratuberculosis (MAP) in serum by AGID. *May qualify for New York State contract pricing. Specimens will be tested for either the bovine or caprine strain of MAP, as appropriate for their species. The laboratory is no longer able to test samples from sheep with this assay. Animals must be at least 1 year old. In bovines and caprines (include 'exotic' members of the respective family), this test should be requested for clinical suspects only. For surveillance or screening purposes, please request the Johnes Commercial ELISA for cervidae and camelids, this test is used for surveillance in healthy animals and for clinical suspects. As cervidae are often infected with either or both the bovine and caprine strains of MAP, serum will be tested against both caprine and bovine reagents and incur double the cost unless requested otherwise. Indicate any previous testing at the AHDC for accurate test result interpretations.	12.00 /sample ; \$24 for cervidae (only)	Bacteriology	M-Th	2-4 days	Serum	Red top blood collection tube	Refrigerate



# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Johne's Culture, Bovine	40.25 /sample	Bacteriology	M-W	35+ days	1) 15g fresh feces; 2) Fresh distal ileum, ileocecal junction and associated lymph nodes FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	1) Wide mouth screw top container; 2) Separate sealed sterile containers. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed.	1-2) Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>For the culture of Mycobacterium avium sbsp. paratuberculosis from individual clinical suspects. For NYS bovine submissions, our default test is the Johne's Fecal PCR. Requests for Johne's fecal culture will be automatically changed to Johne's Fecal PCR unless a comment is included on the submission form indicating why culture must be performed instead. For Non-NYS bovine submissions, Johne's Fecal PCR is the recommended test choice for fecal detection of Mycobacterium subsp paratuberculosis, due to the long turn-around time for culture. If you request culture it will be provided. For more information, please see Johne's Disease Program: Sampling and Testing Options. Lag time for positive samples will be shorter. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Culture, Non-Bovine	40.25 /sample	Bacteriology	M-W	12-16 wks	1) 15g fresh feces; 2) Fresh distal ileum, ileocecal junction and associated lymph nodes FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	1) Wide mouth screw top container; 2) Separate sealed sterile containers Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed	1-2) Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>For the culture of Mycobacterium avium sbsp. paratuberculosis from individual clinical suspects. For more information, please see Johne's Sampling and Testing Options. Lag time for positive samples will be shorter. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Culture, Pooled	29.50 /sample	Bacteriology	M-W	35+ days	15g fresh feces. Please submit INDIVIDUALLY labeled fecal samples. Samples will be pooled in groups of 3 to 5 upon receipt. Any remaining samples will be tested by individual direct PCR. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Individual wide mouth screw top containers, Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed.	Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>Bovine only. For the culture of Mycobacterium avium sbsp. paratuberculosis in pooled fecal samples. Samples will be pooled upon receipt in the Laboratory. Samples pooled prior to arrival will not be accepted. Clearly indicate any samples for individual culture. Samples from high risk or clinically suspicious animals should not be included in pooled samples. Individual samples in confirmed positive pools will automatically be tested by Johne's Direct PCR and additional fees will accrue. Please see Johne's Disease Program: Sampling and Testing Options for more information. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Culture, Pooled (Non-NY)	47.00 /sample	Bacteriology	M-W	35+ days	15g fresh feces. Please submit INDIVIDUALLY labeled fecal samples. Samples will be pooled in groups of 3 to 5 upon receipt. Any remaining samples will be tested by individual direct PCR. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Individual wide mouth screw top containers. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed.	Refrigerate, DO NOT freeze
<p>Bovine only. For the culture of Mycobacterium avium sbsp. paratuberculosis in pooled fecal samples. Samples will be pooled upon receipt in the Laboratory. Samples pooled prior to arrival will not be accepted. Clearly indicate any samples for individual culture. Samples from high risk or clinically suspicious animals should not be included in pooled samples. Individual samples in confirmed positive pools will automatically be tested by Johne's Direct PCR and additional fees will accrue. Please see Johne's Disease Program: Sampling and Testing Options for more information. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Culture, Pooled, NYSCHAP	23.00 /sample	Bacteriology	M-W	35+ days	15g fresh feces. Please submit INDIVIDUALLY labeled fecal samples. Samples will be pooled in groups of 3 to 5 upon receipt. Any remaining samples will be tested by individual direct PCR. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Individual wide mouth screw top containers. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed	Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>Bovine only. For the culture of Mycobacterium avium sbsp. paratuberculosis in pooled fecal samples. Samples will be pooled upon receipt in the Laboratory. Samples pooled prior to arrival will not be accepted. Clearly indicate any samples for individual culture. Samples from high risk or clinically suspicious animals should not be included in pooled samples. Individual samples in confirmed positive pools will automatically be tested by Johne's Direct PCR and additional fees will accrue. Please see Johne's Disease Program: Sampling and Testing Options for more information. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Johne's Environmental Culture	20.00 /sample	Bacteriology	M-W	35+ days	REQUIRED: 10g of SIX separate composite environmental samples. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Individual wide mouth screw top containers. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed	Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>This test is for NYS herds only, for the culture of Mycobacterium avium sbsp. paratuberculosis in manure samples from cattle facilities/environment. Complete sets of six samples are required for NYS subsidized testing. Samples MUST arrive as a set of six composite environmental samples to receive discount pricing. Please see Johne's Disease Program: Sampling and Testing Options for more information. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Environmental Culture, Non-NY	43.00 /sample	Bacteriology	M-W	35+ days	REQUIRED: 10g of SIX separate composite environmental samples. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Individual wide mouth screw top containers. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed	Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>For the culture of Mycobacterium avium sbsp. paratuberculosis in the environment. Samples MUST arrive as a set of six composite environmental samples. Please see Johne's Disease Program: Sampling and Testing Options for more information. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Environmental Culture, NYSCHAP	11.50 /sample	Bacteriology	M-W	35+ days	REQUIRED: 10g of SIX separate composite environmental samples. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Individual wide mouth screw top containers. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed	Refrigerate, DO NOT freeze. Ship promptly after collection in an insulated container with cold packs.
<p>This test is for use by NYSCHAP enrolled herds, for the culture of Mycobacterium avium sbsp. paratuberculosis in manure samples collected in the cattle facilities/environment. Complete sets of six samples are required for NYSCHAP testing. Samples MUST arrive as a set of six composite environmental samples. Please see Johne's Disease Program: Sampling and Testing Options for more information.</p>							
Johne's Fecal PCR	36.75	Molecular Diagnostics	M-F as needed	7-10 days	15 g feces. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Fecal collection cup. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed.	Overnight and refrigerated. Ship promptly after collection in an insulated container with cold packs.
<p>Bovine samples only This assay has been validated using samples from Johne's positive herds. Additional testing in test negative herds or true negative populations will be required to further define specificity. Additional info at Johne's Direct Fecal PCR Fact Sheet for Veterinarians. <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Fecal PCR, NY	19.00	Molecular Diagnostics	M-F as needed	7-10 days	15 g feces. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Fecal collection cup. Unacceptable containers for fecal samples include flip-top milk vials, zip-lock baggies, exam gloves, glass jars, prescription bottles, or containers that are taped closed.	Overnight and refrigerated. Ship promptly after collection in an insulated container with cold packs.
<p>Bovine samples only Identified Clinical Suspects with other testing requested will be accessioned separately and are contract-eligible. Accession fee will apply. Contract will not apply for PCR only submissions. Additional info at Johne's Direct Fecal PCR Fact Sheet for Veterinarians <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							
Johne's Fecal PCR, NYSCHAP	14.00	Molecular Diagnostics	M-F as needed	7-10 days	15 g feces. FILL SAMPLE CONTAINERS NO MORE THAN HALF FULL.	Fecal collection cup	Overnight and refrigerated. Ship promptly after collection in an insulated container with cold packs.
<p>Bovine samples only Identified Clinical Suspects with other testing requested will be accessioned separately and are contract-eligible. Accession fee will apply. Contract will not apply for PCR only submissions. Additional info at Johne's Direct Fecal PCR Fact Sheet for Veterinarians <b>A \$50/hour fee to cover additional laboratory handling of improperly collected, labelled, or shipped samples may be assessed.</b></p>							

**Last Updated: 11/13/2018** \* Each accession received will be charged a \$5.00 accessioning fee, in addition to the requested testing. Fees are subject to change without notice, please call the lab if you have any questions. Contract pricing available. For information please refer to <https://ahdc.vet.cornell.edu/billing/contract.cfm>  
\*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Kaolin Clotting Time (KCT) Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	15.50	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Knott's Heartworm Used to assess microfilarial burden or to differentiate <i>Dirofilaria immitis</i> and <i>Dipetalonema reconditum</i> microfilariae. If an Occult heartworm antigen ELISA test is also desired, the laboratory can separate plasma from the EDTA or heparin whole blood (if sufficient volume) or a serum sample can be submitted. Please clearly indicate each test as a unique test request. For information regarding interpretation of test results, please see <a href="https://ahdc.vet.cornell.edu/sects/Paras/tests/knotts.cfm">https://ahdc.vet.cornell.edu/sects/Paras/tests/knotts.cfm</a>	16.50	Parasitology	M-F	1-3 days	1 mL EDTA or heparin whole blood	sterile blood tube	Refrigerate
Lactate Dehydrogenase (LDH) Ship Overnight. See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a>	11.00 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid; 3) 2 mL urine	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Large Animal Chemistry Panel Equ and ruminant: Na, K, Cl, Bicarb, Anion Gap, BUN, Creat, Ca, P, Mg, TP, Alb, Glob, A/G ratio, Gluc, SDH, AST, GLDH, GGT, Tot/Dir/Ind Bilirubin, CK, Iron, TIBC, % Saturation Test reference ranges can be found at Clinpath Reference Intervals.	48.00	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	Refrigerate. Ship overnight in insulated container with freezer packs.	Refrigerate
Large Animal Renal Panel Equ and ruminant: Na, K, Cl, Bicarb, Anion gap, Urea, Creat, Alb, Ca, P Test reference ranges can be found at Clinpath Reference Intervals.	28.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Large Animal, Crossmatch Donor 1	50.00	Clinical Pathology	M-F	Same Day	1) 1 to 3 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) lavender top tube AND 2) plastic tube	Refrigerate. Ship overnight with frozen ice packs in insulated container.
Lawsonia intracellularis qPCR This qPCR assay detects the aspartate ammonia lyase ( <i>aspA</i> ) gene of <i>Lawsonia intracellularis</i> , the causative agent of proliferative enteropathy (also known as Ileitis), in any host species. Due to the intracellular growth of this bacterium, it cannot be cultured for diagnostic purposes. Based on experimental studies in foals, detection of fecal shedding by PCR is expected to occur at 12-18 days after infection, which is approximately the same time frame as onset of clinical signs; shedding may last for 7-21 days (Pusterla et al. J Vet Intern Med 2010). In pigs, shedding starts one week after infection (just after the onset of clinical signs) and may last intermittently for up to 12 weeks; pigs given the modified-live vaccine may be positive by PCR for up to 9 weeks (Guedes et al. Vet Microbiol 2003). This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Feces, illium, or tonsillar tissue	Leak-proof container	Refrigerate. Ship in insulated container with ice packs
Lead, blood Lead, blood Cannot analyze in plasma or serum - Need whole blood. Do not use heparin separator tubes (gel tubes). For avian and exotics, contact Laboratory AHDC laboratory methodology for blood lead is not affected by the issue described in the 3/22/18 alert from BD Life Sciences related to BD vacutainer tubes, and the original alert from the FDA released on 5/17/2107, which can be viewed at <a href="https://www.fda.gov/MedicalDevices/Safety/alertsandNotices/ucm558733.htm">https://www.fda.gov/MedicalDevices/Safety/alertsandNotices/ucm558733.htm</a>	35.00 /sample	Toxicology	M-F	2 days	1) EDTA whole blood (min .5 ml); 2) heparin whole blood (min .5 ml)	Heparinized or EDTA tube	1-2) Refrigerate. Ship in insulated container with ice pack.
Lead, liquids/fluids	30.00 /sample	Toxicology	M-F	1-2 days	1) urine; 2) water; 3) milk	1-3) sterile container	1-3) Refrigerate w/ cool pack
Lead, tissue/feed/other (Atomic Absorption Spectroscopy - Graphite Furnace)	45.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Leptin baseline Equine only For more information, see Equine Metabolic Syndrome Tests.	25.00	Endocrinology	M, W	3-9 days	serum or EDTA plasma	Red top or lavender blood collection tube	Refrigerate

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Leptospira FA  This test has been discontinued due to the availability of the Lepto real-time PCR test which should be more sensitive and specific. For more information see <a href="https://ahdc.vet.cornell.edu/test/detail.aspx?testcode=LEPTPCR">https://ahdc.vet.cornell.edu/test/detail.aspx?testcode=LEPTPCR</a> This test has been discontinued due to the availability of the Lepto real-time PCR test which should be more sensitive and specific.	16.50 Test discontinued.	Bacteriology					
Leptospira MAT, 5 standard serovars  For the detection of antibodies to Leptospira interrogans serovars Pomona, Hardjo, Icterohemorrhagiae/copenhageni, Grippityphosa, and Canicola by serum microagglutination. Please indicate any previous testing at the AHDC for accurate test result interpretations. Testing paired samples at an interval between 2-6 weeks between blood draws has more diagnostic significance than relying on the results from a single sample. See also Leptospira MAT, 7 serovars for additional serovar options that may be relevant. The first 5 serovars may qualify for New York State contract pricing. Refer to Leptospira Microagglutination Testing at the AHDC for more information.	16.00 /5 serovars	Bacteriology	M, W, F	2-3 days	2.0 ml serum	Red top blood collection tube	Refrigerate. Ship overnight in an insulated container with ice packs
Leptospira MAT, 7 serovars  For the detection of antibodies to Leptospira interrogans serovars Pomona, Hardjo, Icterohemorrhagiae/copenhageni, Grippityphosa, Canicola, Autumnalis and Bratislava by serum microagglutination. This test adds Leptospira interrogans serovars Bratislava and Autumnalis to the Leptospira MAT, standard 5 serovars. These two serovars are much less likely to be found in the United States, however, the AHDC has identified clinical samples with strongly elevated titers to one or both of these serovars in the absence of strong reactions to the other five. Testing for these two serovars may therefore be of diagnostic value. Please indicate any previous testing at the AHDC for accurate test result interpretations. Testing paired samples at an interval between 2-6 weeks between blood draws has more diagnostic significance than relying on the results from a single sample. Refer to [Leptospira Microagglutination Testing	30.00 /7 serovars	Bacteriology	M, W, F	2-3 days	2.0 ml serum	Red top blood collection tube	Refrigerate. Ship overnight in an insulated container with ice packs
Leptospira real-time PCR  This assay targets the lipL32 gene encoding the major surface antigen of pathogenic Leptospira species.	36.75 per specimen tested	Molecular Diagnostics	M-F	2-3 days	1) Urine; or 2) Blood (EDTA whole blood); or 3) Urine and blood (EDTA whole blood); or 4) Kidney and/or liver; or 5) Fetal lung, kidney, liver, stomach or abomasal contents, placenta; or 6) Ocular fluids or 7) Bacterial culture. Refer to Testing Strategy information below.	Leak-proof container	Refrigerate. Ship in insulated container with freezer pack
Lipase  See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	24.00 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Listeria Culture  For the culture of Listeria monocytogenes ONLY. Neurologic listeriosis is not typically associated with a bacteremia. CNS infection is believed to and has been shown to result from localized entry of the bacteria via defects in the oral mucosa, with initial entry into the CNS via the trigeminal nerve. A systemic or bacteremic phase is not usually associated with this process. CSF or brain would be required to identify neuroinfection in most cases. Blood can be a good sample in monogastrics and neonates with septicemia. Consider submission of inoculated Blood Culture media and requesting "Blood culture, aerobic" for testing a clinically ill live animal. Placenta and fetal tissues are appropriate specimens in abortions cases. Our laboratory does not provide food safety testing for listeria on milk or other foods. Samples submitted for testing should be related to clinical investigations. Antimicrobial susceptibilities are not included in the testing fee. Test is also part of Ruminant CNS Panel. Rabies testing should also be submitted to the NYS DOH Rabies laboratory for neurologic submissions. Preliminary results will be provided one day after sample processing begins.	22.00 /sample	Bacteriology	M-F	5-7 days	1) Encephalic: brain stem, cerebellum; 2) Visceral: liver, spleen, kidney; 3) Swab of 1 pr 2; 4) Silage	1-2) Sealed separate sterile containers; 3) Amies transport media (swab); 4) Sealed sterile container	1-3) Refrigerate
Listeria monocytogenes PCR  This is a polymerase chain reaction assay to extract, amplify and detect nucleic acid from Listeria bacteria in the sample submitted. Neurologic listeriosis is not typically associated with a bacteremia. CNS infection is believed to and has been shown to result from localized entry of the bacteria via defects in the oral mucosa, with initial entry into the CNS via the trigeminal nerve. A systemic or bacteremic phase is not usually associated with this process. CSF or brain would be required to identify neuroinfection in most cases. Blood can be a good sample in monogastrics and neonates with septicemia. Placenta and fetal tissues are appropriate specimens in abortions cases. Our laboratory does not provide food safety testing for listeria on milk or other foods. Milk samples submitted for testing should be related to clinical investigations. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3 days	1) tissue (brain stem from neurologic ruminants; fetal tissue from abortions); 2) Cerebrospinal fluid (CSF); 3) milk; 4) EDTA whole blood (monogastrics, suspect septicemic neonates)	Sterile, unbreakable leakproof container	Refrigerate; ship for next day delivery in insulated container with freezer pack(s).
Liver Panel Stains  Series of special stains used for a more thorough interpretation of liver biopsies. Liver Panel stains are included with every liver consult and can also be requested with routine liver histopathology cases. Special Stains include Masson Trichrome, Prussian Blue, Copper, and Reticulin. Liver special stains are only added to liver biopsies when a) a liver consult is requested or b) the pathologist on duty feels that a standard liver biopsy warrants the special stains. STAT is not available for these stains.	45.00 per block	Anatomic Pathology	M-F	7-10 days	2 cm thick section of liver tissue fixed in 10% neutral buffered formalin OR formalin fixed paraffin embedded tissue blocks OR 5-6 unstained slides per formalin fixed paraffin embedded tissue block.	Unbreakable, wide-mouth, sealable jar containing formalin OR sturdy slide container.	

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Lyme Disease (Borrelia burgdorferi) PCR  PCR Ticks must first be submitted for parasite ID to determine if they are a vector species; see Parasite Identification test. This service is performed pursuant to an agreement with Roche Molecular Systems	36.75	Molecular Diagnostics	M-F	2-3 days	1) tick; 2) skin biopsy (min. 5 g); 3) synovial or cerebral spinal fluid (min. 2 mL); 4) tissue (min. 5 g)	unbreakable, leak-proof container	Refrigerate
Lyme Disease, Canine Multiplex Assay  The multiplex test is based on fluorescent bead technology that allows the simultaneous measurement of antibodies to different B. burgdorferi antigens in a single sample. Indicate on the accession form if and when the dog has been vaccinated and which vaccine was used. Samples from treated dogs should be submitted at least 3 months after initial treatment. These samples can be paired with the previous sample if requested. The fee will also be applied to the paired sample. Please refer to the Lyme Disease Multiplex Testing for Dogs or Lyme Multiplex Questions and Answers for more information.	40.00 /sample	Serology	2-3 times/week	1-3 days	2 mL serum	red top blood collection tube	Refrigerate
Lyme Disease, Equine Multiplex Assay  The multiplex test is based on fluorescent bead technology that allows the simultaneous measurement of antibodies to different B. burgdorferi antigens in a single sample. Indicate on the accession form if and when the horse has been vaccinated and which vaccine was used. In cases for which CSF has been submitted in addition to serum, both samples will be tested and fees will accrue on each. Samples from treated horses can be paired with the previous sample if requested. The fee will also be applied to the paired sample. Please refer to the Lyme Disease Multiplex Testing for Horses or Lyme Multiplex Questions and Answers for more information.	40.00	Serology	M-F	1-3 days	2 mL serum (and 1 mL CSF for neurological cases)	red top blood collection tube	Refrigerate
Lymphoma Flow Panel  Used for immunophenotyping lymphoma in blood, bone marrow or tissue aspirates (e.g. lymph node) with flow cytometry in the dog and cat. Lymphoma Flow Panel is also the panel to request if wanting to phenotype an acute leukemia in a cat (but not dogs or horses; for acute leukemias in horses or dogs, see Acute Leukemia Flow Panel). We recommend you call the laboratory at 607-253-3255 to determine if this is the correct test to request. Interpretation of flow cytometry requires knowledge of patient signalment, clinical signs, imaging findings and other clinical pathology results. We must have Wright's stained smears of the submitted sample for evaluation. For this reason we ask that a CBC or blood smear examination be requested on blood samples, a bone marrow examination be requested on bone marrow samples and a cytology smear exam be requested for any aspirates of solid tissue. Do not allow coolant to come in contact with the specimen; ship overnight. For additional information see Immunophenotyping.	120.00	Clinical Pathology	variable	4-5 business days from receipt in the lab	1) EDTA blood; 2) bone marrow in CPD or ACD; 3) fluid in EDTA with 2-3 unstained smears of the fluid; or 4) aspirates of solid tissues in saline and serum	1) Frosted-end slides AND one of the following: 2) lavender top tube (blood or fluid); 3) red top tube with CPD or yellow top tube (bone marrow); 4) red top tube with saline and serum (tissue aspirates).	Refrigerate fluids only, DO NOT refrigerate smears
Magnesium  See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Magnesium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate
Mare/Foal Compatibility  Crossmatch Do not freeze. For test interpretation, refer to eclinpath.com	40.00	Clinical Pathology	M-F	same day	1) 1 to 3 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) purple top (EDTA) tube AND 2) red top (no anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Mare/Stallion Compatibility  Crossmatch Do not freeze. For test interpretation, refer to eclinpath.com See Test Info and Protocols for more information	40.00	Clinical Pathology	M-F	same day	1) 1 to 3 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) purple top (EDTA) tube AND 2) red top (no anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Mass Spectrometry Screen  General screening for unknown toxins. Special Request Only. Please contact the lab at 607-253-3900 before submission. For additional guidance on Toxicology Submissions <a href="https://ahdc.vet.cornell.edu/docs/Toxicology_Submissions_and_Analytica_Screens.pdf">https://ahdc.vet.cornell.edu/docs/Toxicology_Submissions_and_Analytica_Screens.pdf</a>	331.00 per sample	Toxicology	As needed	7 - 10 days	Contact Lab to discuss available and appropriate samples and case history. If unable to consult with lab, always collect the following minimum sample set: Live animals- heparinized whole blood, urine, vomitus, and feces. Post-mortem sample collection should include the following fresh samples: Heart blood (clot tube, heparinized tube and EDTA tube), urine, liver, kidney, fat, stomach contents, colon contents, brain and eyeball or aqueous humor. Always collect suspect items such as food, water, paint chips, new products, etc. In addition to fresh tissues and specimens, collection of a comprehensive set of fixed tissues for histopathology is recommended whenever toxicosis is suspected.	Heparinized blood tube;leakproof, individual sterile, clean, pesticide-free containers for all tissue, GI contents. Place suspect feed, water, products in individual leakproof containers (e.g. zipperlock bags)	Freeze tissue, stomach/rumen contents, plasma, urine, serum, food or feed. Refrigerate whole blood or plant material.
Mass Spectroscopy Confirmation  Freezer pack whole blood: SPECIAL REQUEST - PLEASE CONTACT LAB.	165.50 /sample	Toxicology	M-F	5 days	1) 10 mL heparin whole blood; 2) 20 - 50 mL urine; 3) tissue; 4) plant materials; 5) stomach contents	1) Heparinized tube; 2-5) sterile, clean, pesticide-free container	1-2) Refrigerate w/ cool pack; 3-5) freeze tissue
Mercury  (Flameless Atomic Absorption) Cannot analyze in plasma or serum - Need whole blood. Do not use heparin separator tubes (gel tubes).	55.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed; 3) 2 mL heparin whole blood	1) sterile container; 2) any container; 3) Heparinized or EDTA tube	1, 3) Refrigerate; 2) none
Microscopic Feed Analysis	40.00 /hr	Toxicology	M-F	3 weeks	100g feed	any container	None
Mineral Panel (Tissue, Feed) Full screen includes Ca, P, Mg, Na, K, Cu, Fe, Mn, Zn, and Mo analyzed by ICP-AES. For biopsy samples and other submissions <0.500 g, only Cu, Fe, Zn, and Mo will be provided due to limitations of small sample size. See Description and Minimum Sample Volume for special note on biopsy or other very small samples.	47.00	Toxicology	1x/wk	3-7 days	1)Tissue; 2) Feed. Do not submit serum or plasma.	1) sterile container; 2) any container	1) Refrigerate; 2) none
Mineral Panel, urine  Urine mineral panel includes Magnesium, Phosphorous, Creatinine and Calcium For additional info on Clin Path panels	33.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	Red top (non-anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Mineral/Electrolytes Panel  Na, K, Cl, Bicarb, Anion Gap, Ca, P, Mg For additional info on Clin Path panels Test reference ranges can be found at Clinpath Reference Intervals.	21.00	Clinical Pathology	M-Sa	1-2 days	1.5 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Mineral/Electrolytes Panel, urine  Na, K, Cl, Ca, P, Mg For additional info on Clin Path panels	39.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	plain glass or plastic tube	Refrigerate
Mink Enteric Coronavirus PCR  The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. For species specific testing information please see Coronavirus PCR Guidelines.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) tissue (min. 5 g); 2) ascites or body fluid (min. 2 mL); 3) feces (min 5 g)	unbreakable, leak-proof container	Refrigerate
Murine Liver/Renal Panel  Panel includes: ALT, AST, GLDH, BUN, Creat LDH, CK, Indices	25.00	Clinical Pathology	M-Sat	1-2 days	Serum (separated) or heparinized plasma (separated from a green top tube).	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with cold packs

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Mycobacterium avium avium PCR  Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) culture (solid or liquid) or isolate; 2) tissue; 3) swab; 4) feces	unbreakable, leak-proof container	Refrigerate
Mycobacterium avium complex PCR  Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) culture (solid or liquid) or isolate; 2) tissue (min. 5 g); 3) swab	unbreakable, leak-proof container	Refrigerate
Mycobacterium bovis or tuberculosis PCR  Must obtain prior instructions to submit. Cultures <b>MUST</b> be shipped as Infectious Substance Category A, UN2814	36.75	Molecular Diagnostics	prior arrangement	2-3 days	Prior arrangement	follow lab instructions	Refrigerate
Mycoplasma Culture  For the culture of Mycoplasma species. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not applicable. Test is also part of the Reproductive Panel 4 and Respiratory Panel 6.	27.00 /sample	Bacteriology	M-F	5-10 days	1) Uterine, cervical or vaginal mucus; 2) Semen; 3) Tracheal washing or lung tissue; 4) Fluid (joint, pericardial, urine, etc.); 5) Eye; 6) Ear; 7) Aseptically collected swab of 1-6	1-6) Tissue or fluid in sealed sterile container 7) Swab in Amies transport media <b>WITHOUT</b> charcoal or other suitable mycoplasma culture transport media	1-6) Refrigerate
Mycoplasma Culture (QMPS)  For the isolation of Mycoplasma culture in milk.	5.50 NY; Out of state price - \$10.00	Quality Milk Production Services	M-F	7 days	1-15 ml milk	Clean, Sealed Container	Refrigerate or Freeze sample, Ship on ice
Mycoplasma cynos PCR  The test is primarily designed for identification of M. cynos in dogs with acute respiratory disease. It uses the RT-qPCR molecular method to amplify and detect a short region from the intergenic region between the 16S and 23S ribosomal RNA genes. This is a test to detect M. cynos which may be identified in dogs during outbreaks of acute respiratory disease. Specimens should be collected early after signs of respiratory illness appear, preferably within the first 3 days. Testing may be most appropriate for situations where animals housed together are sequentially contracting acute respiratory disease. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	Nasal or oropharyngeal swab. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable. Calcium alginate swabs should be avoided. Submit sample within 24 hrs of specimen collection.	In the absence of viral transport medium, submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate. Vials should be sealed to prevent desiccation.	Refrigerate. Ship overnight in insulated container with freezer packs.
Mycoplasma felis PCR  Detection of M. felis in animals with respiratory disease. DO NOT place swabs in bacterial transport media. Swabs should be sent in viral transport media or in a sterile tube with 3-4 drops of sterile saline added.	36.75	Molecular Diagnostics	M-F	3 -5 days	1. Nasal swab OR 2. tracheal wash, broncho-alveolar lavage 3. Respiratory tissue or conjunctiva 4. Ocular swab	Securely closed sterile sealed tube with viral transport media or a few drops of saline. Do not use bacterial transport media culturettes.	Refrigerate. Ship overnight to lab in insulated container with frozen ice packs.
Mycoplasma gallisepticum Agglutination  M. gallisepticum AGGL, Avian	3.75	Avian Diagnostics	M-F	3 days	1) 1 mL serum; 2) eggs (10/flock)	1) siliconized tubes; 2) carton	Refrigerate, don't freeze. Ship in insulated container with ice pack.
Mycoplasma gallisepticum/ M. synoviae ELISA - flock screening c  Combination ELISA test. Flock screening or >25 animals only. Only for flock screening or >25 samples. For small volume testing refer to Mycoplasma gallisepticum or synoviae agglutination testing. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	3.75	Avian Diagnostics	As needed	5 days	1 ml of chicken or turkey serum	siliconized tubes	It is recommended to ship samples with an ice pack.
Mycoplasma synoviae Agglutination  Agglutination test	3.75	Avian Diagnostics	M-F	3 days	1) 1 mL serum; 2) eggs (10/flock)	1) siliconized tubes; 2) carton	Refrigerate, don't freeze. Ship in insulated container with ice pack.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Necropsy (< 0.25 lbs)	65.00 in state; \$100 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
<p>Includes mice, small birds, bats, small amphibians, and poultry. Necropsy Submission Form Call 607-253-3319 or email <a href="mailto:pathologyservice@cornell.edu">pathologyservice@cornell.edu</a> with questions for Necropsy with NYS contract pricing. Stat fee may be applied for nights, weekends, or holidays. Stat fees will be waived for zoonotic disease suspects or herd health outbreaks. For shipping instructions, please see Shipping Necropsy Specimens. To ship by UPS or FEDEX, package must weigh less than 150 lbs. They require notification prior to scheduled pickups for all packages exceeding 75 lbs.</p>							
Necropsy (0.25 - 15lbs)	125.00 in state; \$200 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
<p>Necropsy submissions with body weights between 0.25lbs and 15lbs. Typically includes cats, dogs, non-contract covered poultry, rabbits, ferrets, most birds, small animal abortions, and non-contract bovine and small ruminant abortions. Necropsy Submission Form Call 607-253-3319 or email <a href="mailto:pathologyservice@cornell.edu">pathologyservice@cornell.edu</a> with questions for Necropsy with NYS contract pricing. \$100 Stat fee may be applied for nights, weekends, or holidays. Stat fees will be waived for zoonotic disease suspects or herd health outbreaks. For shipping instructions, please see Shipping NecropsySpecimens. To ship by UPS or FEDEX, package must weigh less than 150 lbs. They require notification prior to scheduled pickups for all packages exceeding 75 lbs.</p>							
Necropsy After Hours Fee	50.00	Anatomic Pathology					
<p>An after-hours fee of \$50 will be applied when bodies are dropped off after 6pm during the week or between 3pm Saturday and 7:30am Monday morning. Additional STAT fees may apply if a necropsy is required at the time of drop off.</p>							
Necropsy Stat Fee	102.00	Anatomic Pathology					
<p>THIS TEST FOR INTERNAL USE ONLY.</p>							
Necropsy, 101 to 500 lbs	360.00 in state; \$500 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
<p>Includes large dogs, calves, deer, adult sheep and goats. See comment for New York State animals. \$100 Stat fee will be charged for nights, weekends or holidays. Stat fees will be waived for zoonotic disease suspects or herd health outbreaks. Please call 607-253-3319 to arrange. For shipping instructions, please see Shipping NecropsySpecimens. To ship by UPS or FEDEX, package must weigh less than 150 lbs. They require notification prior to scheduled pickups for all packages exceeding 75 lbs.</p>							
Necropsy, 16 to 40 lbs	260.00 in state; \$350 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
<p>Includes small dogs, raccoons, large cats \$100 Stat fee will be charged for nights, weekends or holidays. Stat fees will be waived for zoonotic disease suspects or herd health outbreaks. Please call 607-253-3319 to arrange. For shipping instructions, please see Shipping NecropsySpecimens. To ship by UPS or FEDEX, package must weigh less than 150 lbs. They require notification prior to scheduled pickups for all packages exceeding 75 lbs.</p>							
Necropsy, 41 to 100 lbs	310.00 in state; \$450 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
<p>Includes large dogs, small ruminants, equine abortions. New York State livestock owners, please see comment. \$100 Stat fee will be charged for nights, weekends or holidays. Stat fees will be waived for zoonotic disease suspects or herd health outbreaks. Please call 607-253-3319 to arrange. For shipping instructions, please see Shipping NecropsySpecimens. To ship by UPS or FEDEX, package must weigh less than 150 lbs. They require notification prior to scheduled pickups for all packages exceeding 75 lbs.</p>							

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.



# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Necropsy, greater than 500 lbs  Includes large hoofstock, large carnivores \$100 Stat fee will be charged for nights, weekends or holidays. Stat fees will be waived for zoonotic disease suspects or herd health outbreaks. Please call 607-253-3319 to arrange. For shipping instructions, please see Shipping NecropsySpecimens. To ship by UPS or FEDEX, package must weigh less than 150 lbs. They require notification prior to scheduled pickups for all packages exceeding 75 lbs.	410.00 in state; \$550 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
Nematode Larval Culture Requires 14-day lag time from submission; Fecal Quantitative test done first to determine need	55.00	Parasitology	M-F	14+ days	15g fresh fecal sample	wide mouth leak-proof	Do not refrigerate sample
Neorickettsia risticii PCR  formally Ehrlichia risticii PCR The sample required for testing is EDTA whole blood.  This assay does not perform appropriately for testing feces or bowel.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood, buffy coat (min. 2 mL)	unbreakable, leak-proof container	Refrigerate
Neospora IFA  Indirect Fluorescent antibody test Acceptable species: Canine and Bovine. This test is also done on a variety of other species, however it is not validated and a comment indicating such will be added to the report. Other species tested: Camelid, Ovine, Moose, Deer, Caprine, Equine, Grizzly bears, Giant Panda, and most other exotic serum. Unacceptable species: Feline and Red PandaPlease contact lab with any questions regarding appropriate species.	16.50	Virology	1x/wk	2-5 days	1) 2 ml serum 2) CSF (canine only) 3) fetal heart blood (bovine, ovine)	1) red top blood collection tube; 2) sterile container	It is recommended to ship samples with an ice pack.
Nitrate/Nitrite, liquids/fluids	24.00 /sample	Toxicology	M-F	2 days	1) water; 2) serum; or 3) transfer heparin or EDTA plasma to a red top tube 4) Aqueous humor*	1) sterile leak-proof container; 2-4) red top blood collection tube (no gel separator tubes, please; aspirate aqueous humor from eyes and transfer to a blood collection tube or transport tube, please)	1-4) Refrigerate w/ cool pack
Nitrate/Nitrite, solids	33.00 /sample	Toxicology	M-F	2 days	1) stomach or rumen contents; 2) feeds	1) sterile leak-proof container; 2) leak-proof zip-lock bag	1-2) Freeze
Non Primate Hepacivirus PCR  Real time PCR to detect non-primate hepacivirus This test has not been validated and is in the development phase. For questions, contact Dr. Ed Dubovi at 607-253-3900The NPHV PCR test is based on the most up to date scientific knowledge of nucleic acid sequences from currently circulating viruses. A lack of test sensitivity can be due to factors such as virus mutation, possible latent stage infection or early acute infections where the viral load is below the detectable limit of the test. Therefore, we recommend follow up testing in 2-3 months after the initial testing.	36.75	Virology	as needed	5-7 days	serum; whole blood; liver	blood tube or unbrakable, leak proof container	Refrigerate. ship for next day delivery in insulated container with ice packs
Non-Esterified Fatty Acid (NEFA)  NEFA Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	13.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or EDTA plasma	Red top (non-anticoagulant) or purple top (EDTA) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Non-Mammalian Chemistry Panel  Na, K, Cl, Uric Acid, Ca, P, TP, Gluc, CK, AST for additional info on Clin Path panels	27.50	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Occult Blood  (Coprology) Do not allow coolant to come in contact with specimen: ship Overnight	16.00	Clinical Pathology	M-Sa	1-3 days	feces	sterile container	Refrigerate
Occult Heartworm The Synbiotics DiroCHEK heartworm test is an indirect enzyme-linked immunosorbent assay (ELISA) used for the detection of adult female <i>Dirofilaria immitis</i> antigen in canine and feline serum or plasma. This test is validated for use in domestic or wild dogs and cats only. Other animals may be tested by this method, but reactivity in other species is not clearly defined. This test method can be used to detect <i>Dirofilaria immitis</i> five to six months after infection in dogs, and seven to eight months after infection in cats. Because of the nature of this disease in cats, veterinarians may want to consider including feline heartworm antibody testing for a more accurate assessment of a cat's true infection status. If a Knott's heartworm test (microfilarial detection) is also desired, EDTA or heparin whole blood (1.0 mL) is needed. Please clearly indicate each test as unique test requests. For information regarding interpretation of test results, please see <a href="https://ahdc.vet.cornell.edu/sects/Paras/tests/knotts.cfm">https://ahdc.vet.cornell.edu/sects/Paras/tests/knotts.cfm</a>	17.00	Parasitology	Tu, F	1-7 days	1 mL serum or 1 mL EDTA or heparin plasma	sterile blood tube	Refrigerate
OPP cELISA Enzyme linked immuno-assay Testing of lambs less than 6 months of age not recommended unless from negative ewe. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	9.50	Virology	Wednesday	7 days	1 ml serum, plasma is not an acceptable sample for this test. Acceptable species: Caprine or Ovine.	red top blood collection tube	It is recommended to ship samples with an ice pack.
Osmolality Do not allow coolant to come in contact with specimen	19.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid; 3) 2 mL urine; 4) milk replacer	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate
Ovarian Remnant Syndrome Panel - Canine Feline  Ovarian Remnant Syndrome Panel - Canine Feline (AMH and Progesterone) For more information, see Canine Feline Reproductive Function Tests	75.00	Endocrinology	M - F	2 - 7 days	serum from plain red top - no additives	plastic or glass	Freeze. Ship overnight in insulated container with ice packs
Ovine Pinkeye Diagnostic Plan Tests included in this plan are: Aerobic bacterial culture, Chlamydomphila PCR, Mycoplasma culture Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. *May qualify for New York State contract pricing. For more information about this plan, please see Ovine Diagnostic Plans/Panels.	103.75	Multiple Sections	M-F as needed		Conjunctival swab in aerobic transport media (Amies w/out charcoal) AND conjunctival swab in sterile tube with 0.5 ml saline to keep moist (not wet).	1) Aerobic transport media (Amies w/out charcoal); 2) sterile tube with 0.5 ml saline to keep moist (not wet)	Ship chilled
Packed Cell Volume Directly measured value obtained from centrifuging blood in a microhematocrit tube. Do not allow coolant to come in contact with specimen: ship Overnight. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	7.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate
Popular Stomatitis Virus PCR The Parapoxvirus PCR detects parapoxviruses from multiple species. For cattle the virus species would be predominantly popular stomatitis virus. Upon special request and an additional fee, sequence analysis can be done to confirm species identity.	36.75	Virology	As needed	2-3 days	swab of ulcerated area; skin biopsy; "scabs"	non-breakable container	Refrigerate. Ship in insulated container with ice pack
Parapox virus PCR The Parapoxvirus PCR detects parapoxviruses from multiple species. For samples originating from ovines, the virus of concern is contagious ecthyma (CE) virus or ORF. For cattle the virus species would be predominantly popular stomatitis virus. Upon special request and an additional fee, sequence analysis can be done to confirm species identity.		Virology	As needed	2-3 days	swab of ulcerated area; skin biopsy;"scabs"	non-breakable container	Refrigerate. Ship in insulated container with ice pack.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Parasite Identification  Endo- and ecto- parasites All ticks submitted for PCR (Lyme, Anaplasma, Ehrlichia) must be identified prior to testing. A biopsy is examined directly or undergoes pepsin digestion to recover nematodes. Gastrointestinal contents and other tissues such as lung are examined and processed as needed to collect and identify parasites present. Intestinal smears are made from fresh, non-preserved intestinal sections and are used to identify non-patent coccidian infections postmortem Other samples that can be submitted for parasite identification include: Biopsies from tissues that may contain parasites; Necropsy tissues, such as sections of organs and intestines with contents; Fluids such as tracheal and cloacal washes, duodenal aspirates, urine, blood; Histological sections on slides; Free living worms or arthropods found on animals, in residences, in feed samples and environmental samples such as soil and composted material.	28.00	Parasitology	M-F	1-7 days	whole parasites including worms or arthropods; punch biopsy, skin or conjunctival snips, fresh tissue for worm identification; impression smears; stained tissue section slides; enviromental samples	plastic leak proof container, such as blood tube, appropriate for sample. Submit fresh, in 70% ETOH or 10% formalin, depending upon the sample.	Refrigerate if not fixed
Parvovirus Real Time PCR  Real time PCR for the detection of parvovirus in carnivores Real time PCR for parvovirus detects presence of wild type virus as well as vaccine strains of the virus.	36.75	Virology	as needed	3-5 days	1) 5cc feces; 2) fecal swab; 3) ileum, jejunum, tongue, heart	1) Sealable plastic bag or container; 2) Leak-proof container	Refrigerate. Ship with freezer packs
Pericardial Fluid Cytology  Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Total Protein, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation With pericardial fluid samples, please also submit 2-3 freshly prepared smears of the fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For test interpretation, refer to eclinpath.com. For additional information see Cytology Testing	50.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) Pericardial fluid in EDTA AND 2) Smears (at least 2-3 unstained smears preferred); 3) Also submit a red-top tube if culture is anticipated.	1) Lavender-top tube; (+/- red-top tube); 2) Frosted-end slides	Refrigerate fluids only; ship in insulated container with freezer pack for next day delivery. Hold smears at room temperature; protect from chilling/coolant by insulating separately during shipment.
Peritoneal Fluid Cytology  Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Total Protein, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation With peritoneal fluid samples, please also submit 2-3 freshly prepared smears of the fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply).For test interpretation, refer to eclinpath.com.For additional information see Cytology Testing	50.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) Peritoneal fluid in EDTA; 2) Smears (at least 2-3 unstained smears preferred); 3) Also submit a red-top tube if culture is anticipated.	1) Lavender-top tube; (+/- red-top tube); 2) Frosted-end slides	Refrigerate fluids only, DO NOT refrigerate smears
PFA100 Closure Time  Evaluation of platelet plug formation under conditions of high shear. This test allows for rapid evaluation of platelet function in small volume samples of citrated whole blood. Test will be available only to clinics that can deliver samples to the AHDC within 2 hours. Additional information at PFA100 Closure Time Expanded Information Sheet.	42.00	Comparative Coagulation	M-F	0-1 day	Citrate whole blood (Must be assayed within 2 hours of collection)	Blue top vacutainer, or citrate blood drawn via syringe with sodium citrate (3.8% or 3.2% citrate)	Room temperature
pH Level	10.00	Toxicology	As needed	1-2 days	Fluid sample (e.g. blood, water, stomach contents)	Sterile, leakproof container	Refrigerate
Phenobarbital  Phenobarbital is used for treatment for forms of epilepsy. This test measures the amount of phenobarbital in the sample	33.00	Clinical Pathology	M, W, F	1-2 days	1 mL separated serum or plasma	Red top (non-anticoagulant), purple top (EDTA), or green top (heparin) tube	Refrigerate, ship on ice packs
Phosphate (Phosphorus)  For test interpretation, refer to eclinpath.com. Test reference ranges can be found at Clinpath Reference Intervals. See Test Info and Protocols for more information	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Phosphate (Phosphorus), urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate. Ship overnight in insulated container with freezer packs.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Plasminogen  Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	44.00	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Platelet Aggregation  Combination of individual tests Special arrangement - contact laboratory to schedule testing	97.00	Comparative Coagulation	---	---	requires special arrangement with lab		
Platelet Flow Cytometry-1  Cytometric screen of platelet function Pre-approval by direct phone consultation with the coagulation lab is required to coordinate sample submission	84.00	Comparative Coagulation	Requires prior arrangement	2 - 5 days	1.5 mL EDTA blood, Citrate blood	EDTA or citrate collection tube	Do Not Freeze
Platelet Flow Cytometry-2  Extended Platelet Cytometry Panel Platelet flow 2 includes activation and labeling reactions to define multiple parameters of platelet function, reserved for samples collected on-site (at AHDC) , or evaluation of platelet concentrates for transfusion	122.00	Comparative Coagulation		2 - 5 days	3.0 mL citrate blood or platelet concentrate	On-site collection (citrate blood)	Do Not Freeze
Platelet Function  Combination of individual tests Special arrangement - contact laboratory to schedule testing	52.00	Comparative Coagulation		2-3 days	requires referral appointment		
Pleural Fluid Cytology  Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Total Protein, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation With pleural fluid samples, please also submit 2-3 freshly prepared smears of the fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing	50.00	Clinical Pathology	M - F	1 business day from time of receipt in the lab	1) Pleural fluid in EDTA AND 2) Smears (at least 2-3 unstained smears preferred); 3) Also submit a red-top tube if culture is anticipated.	1) Lavender-top tube; (+/- red-top tube); 2) Frosted-end slides	Refrigerate fluids only; ship in insulated container with freezer pack for next day delivery. Hold smears at room temperature; protect from chilling/coolant by insulating separately during shipment.
PMSG: Pregnant Mare Serum Gonadotropin  Pregnant Mare Serum Gonadotropin. Equine only. Horses only - samples should be taken 50-100 days post-breeding	26.00	Endocrinology	1time/week	7-9 days	1 ml serum or plasma	plastic or glass tube	Refrigerate. Ship w/ cold pack
Pneumovirus N RT-qPCR  Identifies pneumovirus in dogs and cats. The virus has been known since the late 1930's but it was long believed to infect only rodents. The virus has been known since the late 1930's but it was long believed to infect only rodents. It is now commonly found in dogs and cats during outbreaks of acute respiratory disease, particularly when animals are in close confinement. There is no established etiologic role for pneumovirus in these outbreaks as multiple pathogens are typically involved. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Freezer Packs
Porcine Adenovirus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh lung, intestine, kidney, brain	Sealable plastic bag or container	Ship in insulated container with ice pack
Porcine Circovirus FA  Fluorescent antibody	25.00	Virology	M - F	2 - 4 days		Sealable plastic bag or container	Ship in insulated container with ice pack

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Porcine Hemagglutination Encephalitis Virus FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh brain, spinal cord	Sealable plastic bag or container	Ship in insulated container with ice pack
Porcine Parvovirus FA Fluorescent antibody	25.00	Virology	M - F	2-4 days	Fresh fetal lung, intestine, lymph nodes, spleen	Sealable plastic bag or container	Ship in insulated container with ice pack
Porcine Reproductive Respiratory Syndrome FA Fluorescent antibody	25.00	Virology	M - F	2 - 4 days		Sealable plastic bag or container	Ship in insulated container with ice pack
Porcine Rotavirus FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh jejunum, ileum	Sealable plastic bag or container	Ship in insulated container with ice pack
Potassium See Test Info and Protocols for more information	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	plain glass or plastic tube	Refrigerate
Potassium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate
Potomac Horse Fever (PHF) IFA Indirect fluorescent antibody (Neorickettsia risticii) Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	20.00 /sample	Virology	Tu-Th	3-4 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
PreAnesthesia Panel, Large Animal Includes Na, K, Cl, Bicarb, Anion gap, Creat, Ca, Glucose, SDH Test reference ranges can be found at Clinpath Reference Intervals for additional info on Chemistry Panel Information	30.00 /sample	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
PreAnesthesia Panel, Small Animal Includes Na, K, Cl, Bicarb, Anion gap, Creat, Ca, Glucose, ALT for additional info on Chemistry Panel Information	29.00 per sample	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate
Prekallikrein Screen Ship Overnight: requires aPTT on same sample; For additional info on Submission Guidelines, or see Comp Coag web page	14.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Pre-Purchase Drug Screen Identification of acidic and basic drugs (see Test Interpretations tab for list). Quantitation is not currently available. Gel activator clot tubes/tiger top (red/gray) tubes not recommended. Keep cold in shipment. If requesting STAT (same day processing), please provide shipment tracking number to Lab.	140.00	Toxicology	M-F	2-3 days	1) 8-10 ml heparinized (preferred) or EDTA plasma or serum; OR 2) 16-20 ml heparinized (preferred) or EDTA whole blood; OR 3) 30 ml urine	Heparinized tube(s), no gel clot; or red top tube with transferred heparinized plasma, labeled accordingly. Less ideal: red top tube with transferred serum or EDTA plasma OR red top/lavender top tube(s) with whole blood OR urine in leak-proof container	1-3) Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Primary Hyper-Parathyroidism (PHPT) Genetic Assay For test information, submission information and submission form, please see PHPT Testing	90.00	Molecular Diagnostics	M-F as needed	3 days	2 mL EDTA whole blood	Lavendar top blood tube	Refrigerate

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Progesterone - RIA - Camelid	14.50	Endocrinology	M, W, F	1-3 days	200 uL serum or plasma	Red top or purple top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Progesterone - RIA - Canine	14.50	Endocrinology	M, W, F	1-3 days	200 uL serum or plasma	Red top or purple top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Progesterone - RIA - Equine	14.50	Endocrinology	M, W, F	1-3 days	200 uL serum or plasma	Red top or purple top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Progesterone - RIA - Feline	14.50	Endocrinology	M, W, F	1-3 days	200 uL serum or plasma	Red top or purple top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
THIS TEST CODE FOR INTERNAL USE ONLY.							
Progesterone baseline Dogs and llamas tested daily M-F; other species, M, W, F. For more information, see Endocrinology Testing and Protocols	14.50	Endocrinology	see comment	1-3 days	1 - 1.5 mL serum; separated within 2 hrs after blood collection; avoid SST tubes	plastic or glass tube	Refrigerate
Progesterone baseline - RIA - Bovine Bovine only	14.50	Endocrinology	M, W, F	1-3 days	200 uL serum or plasma	Red top or purple top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Progesterone Immulite - Ovine, Caprine Progesterone Immulite - Ovine, Caprine	14.50	Endocrinology	M-F	1 day	200 uL serum	red top tube	Refrigerate
Progesterone Immulite Camelid	14.50	Endocrinology	M-F	1 day	200 uL serum	Red top blood collection tube. No serum separator (SST) tubes.	Refrigerate. Ship in insulated container with ice pack
Progesterone Immulite Canine	14.50	Endocrinology	M-F	1 day	200 uL serum	Red top blood collection tube. No serum separator (SST) tubes	Refrigerate. Ship in insulated container with ice pack.
Protein C Protein C Ship Overnight; For additional info on submitting samples see Submission Guidelines. Also see Protein C FAQs	38.75	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Prothrombin Consumption Index Ship Overnight; tested by special arrangement: contact laboratory for instructions	40.00	Comparative Coagulation	Th-F	1-2 days	paired citrate plasma and serum samples	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Prothrombin Time (PT) Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	14.50	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Pseudocowpox Virus PCR The Parapoxvirus PCR detects parapoxviruses from multiple species. For cattle the virus species would be predominantly papular stomatitis virus. Upon special request and an additional fee, sequence analysis can be done to confirm species identity.	36.75	Virology	As needed	2-3 days	swab of ulcerated area; skin biopsy;"scabs"	non-breakable container	Refrigerate. Ship in insulated container with ice pack.
Pseudorabies Virus FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh brain, spleen, lymph node	Sealable plastic bag or container	Ship in insulated container with ice pack

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Pseudorabies Virus Isolation  Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	Fresh brain, spleen, lymph node	Sealable plastic bag or container	Ship in insulated container with ice pack
RBE - Brain Extraction  This procedure is intended for removal of the brain from the skull for further testing and other diagnostics. A Rabies History Form is required for all rabies suspect cases. Submitting the head or carcass to the Anatomic Pathology service for brain extraction in rabies suspect cases will be followed by shipment of brain tissue to the NYS Dept of Health Lab for Rabies testing. Consideration for field collection of brain specimens and direct shipment to the NYSDOH by attending veterinarians should be considered in case involving human exposure, especially when weekends and holidays will result in further shipping delays. See these links for further information on collection and submission of appropriate specimens for direct submission.	51.00	Anatomic Pathology	M-Sa	24 hrs, followed by shipment to NYS DOH Rabies lab, 1-3 days additional.	head or whole body	leak-proof container	Refrigerate, do not freeze
Red Blood Cell (RBC) Count, Total  Do not allow coolant to come in contact with specimen; Ship Overnight. For test interpretation, refer to <a href="http://eclinpath.com">eclinpath.com</a> Test reference ranges can be found at Clinpath Reference Intervals.	7.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate
Red Blood Cell (RBC), Parasites  Blood smear evaluation for parasites. This test is performed using Wright's (Giemsa) Stain. Do not allow coolant to come in contact with specimen; ship Overnight	12.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (tube >1/2 full) AND 2 unstained, unfixed, air-dried blood smears	1) Purple top (EDTA) tube, 2) Ship slides in a plastic or cardboard slide holder to prevent from breaking in transit.	Refrigerate
Ref: Acetylcholine Receptor Antibody (Myasthenia Gravis)  Immunoprecipitation radioimmunoassay for detection of circulating antibodies against nicotinic Acetylcholine Receptors (AChR) associated with canine and feline Myasthenia Gravis. This test can be performed on Canine and Feline samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	126.00 (+ referral fee; see comment)	Referral	M-F	7-9 business days	2 mL serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Adrenal Androgen Panel (Sex Hormone Panel) Canine or Feline  Baseline and post-ACTH cortisol, progesterone, 17-hydroxyprogesterone, estradiol, androstenedione, testosterone. This test can be performed on Canine and Feline samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	180.00 (+ referral fee; see comment)	Referral	M - F	9-12 business days	2ml each Pre and Post ACTH Serum (1 hr. post ACTH; 2 hr. if ACTH gel) – No Plasma; Allow sample to clot then centrifuge and separate serum	Red top blood collection tube (no serum separator tubes)	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Adrenal Androgen, Ferret  Baseline values for Estradiol, Androstenedione, and 17-hydroxyprogesterone. Ferrets Only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	84.00 (+ referral fee; see comment)	Referral	Mon - Fri	7-10 business days	0.5 ml Serum only	Red top blood collection tube	Refrigerate. Ship overnight in insulated container with an ice pack.
Ref: Aldosterone  Assay to quantitate aldosterone levels in EDTA plasma or serum. Can test a single sample for baseline values or can provide pre and post ACTH samples as ACT stimulation test. For All Species: Pre or post samples can be serum, plasma or one of each. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	54.00 (+ referral fee; see comment)	Referral	Mon and Thurs	4-7 Business Days	1mL EDTA plasma or serum; serum or EDTA plasma should be separated from clot or cells by centrifugation, respectively, within 30 minutes, and transferred to plain tube with no additives.	Red top, Purple top, or Tiger top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Alkaline Phosphatase Isoenzyme	29.55 (+ referral fee; see comment)	Referral	M-F	5-7 business days	1 mL serum	Red top blood tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
<p>This assay differentiates the separate tissue isoenzyme fractions to determine which is contributing to a generalized increase in alkaline phosphatase. This test can be performed on Canine samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</p>							
Ref: Allergy Testing, Can and Fel	0.00 (+ referral fee; Referral see comment)						
<p>The AHDC is no longer providing referrals for this testing. The testing labs offer customizable testing which is best selected by the clinician in direct contact with the testing laboratory. Please see the referral information tabs for the laboratory to which we had previously referred testing.</p>							
Ref: Allergy Testing, Equine	0.00 (+ referral fee; Referral see comment)						
<p>The AHDC is no longer providing referrals for this testing. The testing labs offer customizable testing which is best selected by the clinician in direct contact with the testing laboratory. Please see the referral information tabs for the laboratory to which we had previously referred testing.</p>							
Ref: Alpha 1 Proteinase Inhibitor	0.00 (+ referral fee; Referral see comment)		Run Monday and Thursday, Extract Wednesday and Friday	7-10 business days	Fresh fecal sample from 3 consecutive days in special tubes obtained from the testing laboratory.	Special tubes from Texas GI Lab.	Send frozen Overnight. Ship with dry ice.
<p>Fecal immunoassay assay for Alpha 1 Proteinase Inhibitor (a1-PI) used as a test for protein losing enteropathy in dogs only. The AHDC is not handling referrals for this test since special submission containers must be obtained in advance directly from the testing laboratory. Please contact the testing laboratory directly. See tab for Referral Information below.</p>							
Ref: Amino Acids	168.00 (+ referral fee; see comment)	Referral	W	7-12 days	2 mL Heparinized PLasma or 2mL Urine	Insulated container, If glass tube is used, protect from breakage with secondary container or wrap.	Dry ice
<p>Complete amino acid analysis in plasma. Reference ranges available for canine, feline and equine. Send via overnight courier on dry ice; Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Anaplasmosis CF	20.50 (+ referral fee; see comment)	Referral	Thurs.	1 - 7 days	2 mL Serum	Red top blood collection tube or screw top vial (preferred)	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
<p>Complement Fixation assay for detecting antibodies against Anaplasma marginale in bovine serum samples. This test is available for Bovidae and for EXPORT purposes ONLY. Send separated serum via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. This assay is started at the referral lab on Thursdays only. If sample arrives in their lab for testing on Thursday morning, the test is resulted by Friday afternoon. Allow for shipping from AHDC to referral lab.</p>							
Ref: Anaplasmosis Marginale PCR (Bovine)	48.50 (+ referral fee; see comment)	Referral	Tuesday and Friday	3-5 business days	2ml EDTA Whole Blood or 2 inch section of Spleen or Liver	EDTA Tube for blood, sterile collection container for tissue	Refrigerate. Ship in insulated container with ice pack.
<p>This test detects the DNA of Anaplasma marginale, the agent of bovine Anaplasmosis. This test is not designed to detect other Anaplasma Species. This test can be performed on Bovine samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</p>							
Ref: Antinuclear Antibody IFA, Equine	43.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	1 mL serum	Insulated	Refrigerate
<p>Test for lupus, Sjorens syndrome, and/or rheumatoid arthritis. Test is done on all species except exotics (Simian lab does exotics); Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Anti-Thyroid Antibody T4, T3	30.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	1 mL serum	Red top blood collection tube.	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
<p>This combination of tests detects autoantibody against T3 and/or T4. It is used to assist in the diagnosis of lymphocytic thyroiditis. This measurement does not give any indication as to thyroid function. These cannot be ordered individually. This test is available for CANINE species ONLY. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</p>							

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# Animal Health Diagnostic Center Test and Fee Schedule

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Ref: Aspergillus Antibody  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	34.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	0.05 mL plasma	Insulated	Refrigerate
Ref: Aspergillus Galactomannan  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	66.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	0.05 mL plasma	Insulated	Refrigerate
Ref: Aspergillus Panel  This panel includes Aspergillus Antibody Elisa, Electrophoresis to Quantitate host plasma proteins, and galactomannan assay for a dominant Aspergillus antigen. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Testing performed on Avians and Mammals. Sample should be 5 days old or less at time of testing. Do not collect and ship to AHDC prior to 3 day weekend or other conditions which will not allow delivery to referral lab for testing by 5 days post collection. For test interpretations, please see Testing for Avian Aspergillus	102.00	Referral	M - F		0.5 ml heparinized plasma	Green top blood collection tube	Refrigerate, ship sample over night in insulated container with freezer packs.
Ref: Autogenous Bacterin  The test fee does not include the cost of making the bacterin (see comment). Referral fee of \$30.00 covers paperwork, transport, and haz-mat shipping; an additional cost is incurred for bacterin production which must be negotiated with the commercial lab; please contact the Diagnostic Center for more information.	75.00 (+ referral fee; see comment)	Referral	M-F	21-30 days	1) swab from lesion; 2) bacterial isolates	1) Amies transport media; 2) slant or transport media	1-2) Refrigerate
Ref: Babesia Gibsoni Giemsa Smr slides, Exp  Evaluation of blood smears for hemoparasites/ hemotropic bacteria. Also known as Hemoparasite exam – Wright Giemsa Stain <b>Submitter must make blood smear slides. Do not submit EDTA whole blood. Testing can be performed on the following: Amphibian, Avian, Bovine, Canine, Caprine, Cervid, Equine, Exotic, Feline, Ovine, Porcine, Reptile, and Rodents. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</b>	19.00 (+ referral fee; see comment)	Referral	Monday-Friday	2 days	1-2 Unstained, air-dried blood smear slides made from EDTA Whole Blood	slide mailer	Hold at room temperature. Ship at room temperature. Protect from cold temperatures with insulation.
Ref: Babesia Gibsoni IFA  Detects antibodies to Babesia gibsoni in serum via indirect fluorescent antibody test. Tested at 1:8, 1:16, and 1:32 dilutions only. Testing can be performed on Canine only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	41.00 (+ referral fee; see comment)	Referral	Mon - Fri	3-5 Business Days	1 mL serum	Red Top blood tube	Refrigerate, ship in insulated container with freezer pack(s) for next day delivery
Ref: Babesia PCR  This is a polymerase chain reaction assay which amplifies and detects target nucleic acid sequences of the Babesia genus. This laboratory performs nucleic acid sequencing for all positive samples, verifying detection and providing identification to the species and occasionally strain level. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. This test can be performed on all species.	60.00 (+ referral fee; see comment)	Referral	Tues; Thurs	5-7 days	2ml EDTA Whole Blood	Purple Top Collection Container	Refrigerate. Ship in insulated container with freezer packs to arrive next day.
Ref: Bartonella Panel IFA  Detects antibodies to Bartonella henselae, Bartonella vinsonii and Bartonella koehlerae in serum via immunofluorescent antibody test. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Testing can be performed on Canine and Feline only.	60.00 (+ referral fee; see comment)	Referral	M - F	5-8 business days	2ml Serum	Red top blood collection tube	Refrigerate; send via next day delivery in insulated container with freezer pack(s)
Ref: Bartonella PCR  This is a polymerase chain reaction assay which amplifies and detects target nucleic acid sequences of the Bartonella genus. This laboratory performs nucleic acid sequencing for all positive samples, verifying detection and providing identification to the species and occasionally strain level. Sample required is EDTA whole blood. This test can be performed on all species. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	60.00 (+ referral fee; see comment)	Referral	Tues, Thurs	5-7 days	2 mL EDTA whole blood	Purple Top blood Collection Container	Refrigerate, send via overnight delivery; insulated container with freezer pack(s)

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Beak and Feather PCR RAL  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	21.00 (+ referral fee; see comment)	Referral	M-F		100 uL heparinized whole blood and choanal/cloacal swab (pooled result)	Insulated	Refrigerate
Ref: Bird Sexing PCR  Determines the gender of birds by PCR Test also done at Avian Biotech, Tallahassee, FL. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	21.00 (+ referral fee; see comment)	Referral	M-F	~4-7 days	Feathers, pulled	Baggie, sterile test tube, etc.	Ambient
Ref: Blood Typing, Equine  This is a blood typing test which will determine whether this horse has any of the following blood factors (antigens): A (a,b,c), Ca, Ka, P (a,b), Q (a,b,c), and Ua. For either a whole blood or plasma donor, a blood type (Ref: Blood Typing, Equine) and an antibody screen (Ref: Blood Typing, Equine [Ab RBC Ag]) is indicated. Test also done at Stormont Lab, Woodland, CA. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	126.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	ACD/EDTA/Serum	Insulated	Refrigerate
Ref: Bluetongue SN  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	78.00 (+ referral fee; see comment)	Referral					
Ref: Bluetongue Virus Isolation  Test for Bluetongue virus Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	T, Th	10-30 days	Semen/blood	Insulated	Refrigerate
Ref: Bordetella Agglutination  Test for antibodies to Bordetella bronchiseptica that causes respiratory disease in food animals. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	17.65 (+ referral fee; see comment)	Referral	M-F	4-10 days	1 mL serum	Insulated	Refrigerate
Ref: Botulism  Real-time PCR assay for the detection of Clostridium botulinum types A, B and C toxin genes in vegetative cells after a culture enrichment step ?Finding C. botulinum organisms or spores in a fecal or GI sample of a horse or cow, or in a feed sample, is strongly supportive of a diagnosis of botulism in animals exhibiting compatible clinical signs. Please see <a href="http://www.vet.upenn.edu/docs/default-source/new-bolton-center-hospital/NBC-Diagnostic-Labs/instructions-for-submitting-samples-9-1-16.pdf?sfvrsn=6">http://www.vet.upenn.edu/docs/default-source/new-bolton-center-hospital/NBC-Diagnostic-Labs/instructions-for-submitting-samples-9-1-16.pdf?sfvrsn=6</a> for more information.	0.00 Cost cannot be estimated prior to consultation with laboratory (+ referral fee; see comment)	Referral			Stomach/rumen contents, GI contents, feces, spoiled forages, parts of dead animals found in suspect feed, and soil from underneath affected areas.	Samples should be sent in whirlpack bags or other suitable small leak proof container. Put each intestinal sample (contents only, please do not send whole intestines or ligated intestines) in a separate Whirlpak bag and clearly label with ID with a waterproof marker such as a Sharpie.	Refrigerate for immediate shipment or store frozen; Ship for next day delivery in insulated container with freezer pack(s)
Ref: Bovine Leukosis PCR  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral					
Ref: Bovine Vir Diarrhea IHC, fixed tissue  This test is used for BVD IHC performed on fixed ear notches Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	35.00 (+ referral fee; see comment)	Referral			ear notch in 10% buffered formalin.		
Ref: Brach sequencing PCR  This test sequences the Nox gene from Brachyspira cultures for speciation. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	as needed	3-5 days	identification from culture	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Brachyspira culture  Culture for Brachyspira spp. bacteria. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral			rectal swab in transport media, feces, colon, or cecum	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs
Ref: Brucella abortus/suis Fluorescent Polarization Assay  This is an antibody detection assay that is used primarily for regulatory diagnostic investigations or for export purposes. It detects antibodies against Brucella abortus or Brucella suis Test can be performed on large animals. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	33.60	Referral	Mon, Thurs	5-7 days	2mL Serum	Red top blood collection tube.	Refrigerate; ship via overnight delivery in insulated container with freezer packs.
Ref: Brucella CF  Test for antibodies to Brucella bacteria in seven species and several biotypes. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	20.50 (+ referral fee; see comment)	Referral	M-F	~4-7 days	2 mL serum	Insulated	Refrigerate
Ref: Brucella ovis ELISA  This test detects the presence of antibodies to Brucella ovis in ovine serum. This test can be performed on Ovine samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	12.00 (+ referral fee; see comment)	Referral	Wednesday, must be in the lab by 10:30	2-7 Business Days	0.5 ml serum; remove serum from clot	Red Top Collection Tube, remove serum from clot	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Brucella Tube Agglutination  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	33.50 (+ referral fee; see comment)	Referral					
Ref: Canine Babesia Combination IFA  Panel that includes: Babesia canis and Babesia gibsoni Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral	M - F	5 - 7 days	2 mL serum	Red top tubes	Refrigerate
Ref: Canine Blood Donor Panel  Panel includes: Anaplasma phagocytophilum, Anaplasma platys, Ehrlichia canis, Rickettsia sp Ship overnight with cold pack	164.00	Referral	M-F	3-5 days	2 ml whole blood	Lavender top tube	Refrigerate. Ship overnight with cold packs
Ref: Canine FSH  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral					
Ref: Canine Neurological PCR Panel 2  Panel includes CDV, WNV, N. hughesi and caninum, Pan Fungal, Toxoplasma gondii, A. phagocytophilum, Rickettsia spp, and B. burgdorferi Whole blood not recommended for B. burgdorferi and N. hughesi and caninum. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	150.00 (+ referral fee; see comment)	Referral	M-S	3-5 days	1 mL CSF in EDTA tube; 2 mL whole blood in EDTA	EDTA tube	Refrigerate
Ref: Carnitine, muscle  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	158.00 (+ referral fee; see comment)	Referral					
Ref: Carnitine, Plasma  Test to detect carnitine, a coenzyme of fatty acid oxidation and acetyl transfer Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	94.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	3 mL heparinized plasma	Insulated	Freeze

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Carnitine, Urine  Test to detect carnitine, a coenzyme of fatty acid oxidation and acetyl transfer Send frozen via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	94.00 (+ referral fee; see comment)	Referral	M-F	10-14 days	10 mL urine	Water tight/sterile	Freeze/dry ice
Ref: Caseous lymphadenitis  Serum hemagglutination inhibition assay to detect antibodies to <i>Corynebacterium pseudotuberculosis</i> in horses, camelids, sheep and goats. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. <b>C. pseudotuberculosis SHI titers less than 1:8 are not considered significant, and probably represent cross reactions with common environmental organisms. Titers &gt; 1:256 have a high association with internal abscess formation.</b>	17.50 (+ referral fee; see comment)	Referral	M-Th	5-6 days	1 mL serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Ref: Chlamydia DCF  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	34.25 (+ referral fee; see comment)	Referral					
Ref: Chlamydia Panel  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	58.00 (+ referral fee; see comment)	Referral		5-7 days	0.5 mL Heparinized plasma or serum		Ship overnight in insulated container with a cold pack
Ref: Chlamydia Serology IFA  IFA test to detect antibodies to <i>C. psittaci</i> Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	32.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum	Insulated	Refrigerate
Ref: Cholinesterase(brain)  This assay tests for enzyme activity in a brain sample. Any factor that interferes with enzyme activity will affect the outcome of the results. Specimen should be as fresh as possible Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-F	3-5 days	Brain Tissue/Retina. Split brain into two equal halves sagittally to get a representative hemisphere. Retina-whole eye.	Plastic bag	Keep refrigerated at all times. Ship overnight with ice pack.
Ref: Contagious Ecthyma CF  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	20.50 (+ referral fee; see comment)	Referral					
Ref: CPK Isoenzymes  Also known as creatine kinase isoenzyme or Lohmann's enzyme Send via overnight courier/ no lipemia or hemolysis in samples. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	132.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum	Insulated	Refrigerate
Ref: Cryptosporidium spp PCR  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	78.00 (+ referral fee; see comment)	Referral					
Ref: Cyclosporine  Test to detect cyclosporin levels. <b>This test can be performed on Bovine, Canine, Equine, Feline, Ferrets, Fruit Bats, Ovine, Porcine, Primate samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</b>	66.00 (+ referral fee; see comment)	Referral	W, F	3-5 business days	1 mL EDTA whole blood	Lavender top blood collection tube	Refrigerate; DO NOT FREEZE. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Cystinuria  Looks for cystine crystals in urine; specific to Newfoundlands and some other breeds Send complete history w/sample via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral	M-F	10-20 days	Urine and/or EDTA blood	Urine in sterile container	Refrigerate

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Degenerative Myelopathy  This is a genetic test to detect a gene mutation. Semen straws and tissue samples should be frozen. All samples should be sent overnight. Do not send samples on Friday. Please send the dog's pedigree if available. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-Th	10-14 days	5 mL EDTA whole blood, 2 frozen semen straws, or 1" cube of tissue	Purple top tube, straws, freezer bag or other sterile container	Refrigerate or ship on cold pack
Ref: Digoxin  Checking Digoxin levels in the blood Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Do not store in rubber topped tubes as digoxin will bind to the rubber. Fasting is recommended, but not required.	60.00 (+ referral fee; see comment)	Referral	Run when received	2-4 business days	1 mL serum	red top blood collection tube; GLASS vial	Refrigerate. Ship in insulated container with ice pack.
Ref: Dourine CF  This is a complement fixation test for detecting antibodies against Trypanosoma equiperdum, the agent of Dourine. It is routinely used for regulatory and international trade purposes. This test is specific to Equidae. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	20.50	Referral	M-F	5 Business Days	2ml Serum	Red top blood collection tube	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)
Ref: Ehrlichia canis IFA  E. canis causes K9 ehrlichiosis. This test detects antibodies to Ehrlichia canis. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	24.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	2 mL serum	Insulated	Refrigerate
Ref: Ehrlichia PCR  Sample required is EDTA whole blood.  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-F	up to 4 wks	2 mL EDTA whole blood	Insulated	Refrigerate
Ref: Ehrlichia Platys PCR  Causes infectious cyclic thrombocytopenia in dogs Sample required is EDTA whole blood.  Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	55.25 (+ referral fee; see comment)	Referral	M-F	7-10 days	2 mL EDTA whole blood	Insulated	Refrigerate
Ref: Electron Microscopy  ?Please provide history? Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	Sample set day it is received	4-5 days	Fresh tissue, Fixed tissue, FFPE Block, Feces		Ice pack, Do Not Freeze
Ref: Encephalitozoon Cuniculi ELISA  Test for presence of antibodies against E. cuniculi, a genus of protozoa in rodents, rabbits, dogs, primates and humans Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	28.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum	Insulated	Refrigerate
Ref: Encephalitozoon Cuniculi IFA  To detect Encephalitozoon cuniculi in rodents, rabbits, dogs, primates and humans. Referral test fee is set by the referring lab and may change without notice. a \$30.00 handling fee is added for each accession sent to each referring lab	28.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	1mL serum	Red top tube	Refrigerate
Ref: Encephalitis, Eastern CF  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	21.50 (+ referral fee; see comment)	Referral	W	7-10	2 mL serum	Insulated	

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Encephalitis, Eastern,IgM ELISA	22.00 (+ referral fee; see comment)	Referral	2-3 days a week, as needed	3-7 Business Days	Serum	Red Top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
<p>This is an ELISA assay to detect IgM antibodies against EEE virus exposure. It should be used for testing clinically ill equines only. <b>This test can only be performed on Equine samples. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</b></p> <p><b>Please provide the US state in which the horse is residing and whether the horse has a neurologic condition or is clinically normal on the submission form. The sample will not be forwarded for testing until we have that information.</b></p>							
Ref: Encephalitis, Western CF	21.50 (+ referral fee; see comment)	Referral	W	7-10	2 mL serum	Insulated	Cold Pack
<p>Complement Fixation Assay - Antibody detection This test is primarily for export testing purposes. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Encephalitis, Western VN	11.00 (+ referral fee; see comment)	Referral	M, Th	3-5 days	1 mL serum	Red top tube	Refrigerate
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: EPM CSF:Serum Ratio	132.00 (+ referral fee; see comment)	Referral	M-F	2 days	1 mL serum and 1 mL CSF	insulated	Ice Packs
<p>EPM SAG 2,3,4 ELISA to detect and compare antibodies against Sarcocystis neurona in both CSF and serum Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Please see the fact sheet on test choices for EPM for additional information.</p>							
Ref: EPM IFA Panel (Sarco, Neo)	130.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	2 mL serum or 2 mL CSF		Refrigerate
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Please see the fact sheet on test choices for EPM for additional information.</p>							
Ref: EPM SAG 2,3,4 Titer ELISA	82.00 (+ referral fee; see comment)	Referral	M-F	4-5 Business Days	1 mL serum or 1 mL CSF	Red top blood collection tube for Serum and CSF	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
<p>ELISA to detect antibodies against multiple surface antigens 2,3 and 4 of Sarcocystis neurona, a causitive agent of Equine Protozoal Myeloencephalitis . <b>This test can be performed on Equine samples only. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. See also Ref: EPM CSF:Serum Ratio - REPMSR for use when submitting both serum and CSF. Please see the fact sheet on test choices for EPM for additional information.</b></p>							
Ref: Equine Blood Typing Antibody Screen	80.00 (+ referral fee; see comment)	Referral			EDTA or ACD whole blood, 5ml	EDTA or ACD blood tube	Ship samples in insulated container with freezer packs for next day delivery. Protect the samples from direct contact with the ice pack.
<p>This is a test used to screen for anti-erythrocyte antibodies in the serum of a blood donor horse or a breeding mare to determine the risk of mare/foal incompatibility (neonatal iso-erythrolysis risk). For either a whole blood or plasma donor, a blood type (Ref: Blood Typing, Equine) and an antibody screen (Ref: Blood Typing, Equine [Ab RBC Ag]) is indicated. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Equine encephalomyelitis PRNT Panel (EEE,WEE,VEE)	46.00 (+ referral fees; see comment)	Referral	Tuesday	3 - 5 days	2 ml Serum	Red top blood collection tube	Refrigerate. Ship overnight in insulated container with ice packs
<p>This is a virus plaque reduction neutralization test for Eastern (EEE), Western (WEE) and Venezuelan (VEE) equine encephalitis viruses. This test detects antibodies produced either by natural exposure to the viruses or vaccination. These tests are currently only available as this panel. None of these tests can be ordered individually. This test is used for acute and convalescent serology on any species. It is also used for vaccinal titers on equines. If testing for EEE on clinical suspects equines, the EEE IgM Elisa is the recommended test. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Referral Lab needs sample on Monday for Tuesday test run. <b>Please provide the US state in which the horse is residing and whether the horse has a neurologic condition or is clinically normal on the submission form. The sample will not be forwarded for testing until we have that information.</b></p>							

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Equine Protozoal Myeloencephalitis IFA  Tests for antibodies against Sarcocystis neurona Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Please see the fact sheet on test choices for EPM for additional information.	70.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	2 mL serum or CSF		Refrigerate
Ref: Equine Protozoal Myeloencephalitis WB  Tests for antibodies against Sarcocystis neurona Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Please see the fact sheet on test choices for EPM for additional information.	82.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum and/or CSF		Refrigerate
Ref: Estradiol  Testing of very small volume samples. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	1 mL serum	Insulated	Refrigerate
Ref: Fecal Digestion Panel  Used to identify maldigestion or malabsorption Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	Feces	Insulated	Refrigerate
Ref: Feline Calicivirus PCR  The Test Target for this Polymerase chain reaction (PCR) assay is the Feline Calicivirus viral RNA, ORF1 Gene This test can be performed on Feline samples only. Submit fresh swabs - do not hold longer than 3 days. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	69.60 (+ referral fee; see comment)	Referral	Mon - Fri	3 business days	Nasal swab, oropharyngeal swab, nasal biopsy, or lung tissue	Synthetic swab (no cotton tipped swabs) snapped off into a red top tube. Avoid swabs with wooden applicators. Swabs from culturettes are acceptable, but please snap swab off into an empty red top tube. Do not put swab back in transport media/gel. No culture media, viral transport media, or saline solution is necessary.	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
Ref: Feline Herpes PCR  The Test Target is the Viral RNA, GB gene. This test can be performed on Feline samples only. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	50.00 (+ referral fee; see comment)	Referral	Mon - Fri	3 business days	Nasal swab, pharyngeal swab, oral swab, or ocular (cornea) swab	synthetic swab (no cotton tipped swabs) snapped off into a red top tube. Avoid swabs with wooden applicators. Swabs from culturettes are acceptable, but please snap swab off into an empty red top tube. Also, avoid putting swab back into media/gel. No culture media, viral transport media, or saline solution is necessary.	Refrigerate; ship for next day delivery in insulated container with freezer pack(s)
Ref: Feline Infectious Peritonitis mRNA  Do not freeze! Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	96.00 (+ referral fee; see comment)	Referral	M-F	1 day	2 mL fluid (ascitic, pleural effusions) or EDTA whole blood		None

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Feline Leukemia IFA	36.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	2 air-dried blood smears	Slide mailer	Do not refrigerate. Store at Room Temperature; ship insulated to protect from chilling in cold weather or if ice packs in shipping container for other samples
<p>This test is available for Feline only. Please make and submit good quality blood smears. Do not submit fluid whole blood samples or clotted blood. Contact our shipping and supplies (see link below) department if you need slide mailers. For instructions on how to make blood smears, see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a>This test is also known as the FeLeuk Test® Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</p>							
Ref: Feline Upper Respiratory Disease Panel PCR	78.00 (+ referral fee; see comment)	Referral	M-F	3 days	Deep Pharyngeal swab and Conjunctival swab – plastic-stemmed swabs;no transport media	Red top tube	Refrigerate
<p>Includes Chlamydia felis, Feline Calicivirus, Feline Herpesvirus, Bordetella bronchiseptica, Mycoplasma felis. Do not submit swabs in bacterial transport media. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Ferritin	37.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	1 mL serum or heparinized plasma	Insulated	Freeze and send over night in insulated container with ice packs.
<p>This test detects the iron-afopoferritin complex, one of the forms in which iron is stored in the body. SERUM ONLY. K9, feline, equine, black and white rhino; no test for camel. Freeze and send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: FISH Fluorescent In-Situ Hybridization	175.00 + in-house referral fee. See comment	Referral	Tues or Wed	PLEASE SEE COMMENT ABOVE	5 unstained fixed tissue slides.	Slide Mailer;	Room Temperature
<p>Flourescent probe binds to bacterial ribosomes in tissue. Detected with fluorescent microscope. This test can be performed on all species. A \$15 handling fee will be added to each sample, so the total price for a single tissue is \$190. Additional tissues will be billed at \$50 for each additional tissue. Additional probes will be billed at \$50.00 for each additional probe. For specific information regarding samples, instructions and forms, please see FISH Fluorescent In-Situ Hybridization. Research questions should be directed directly to Simpson Laboratory (607-253-3567).</p>							
Ref: Freemartin, Bovine	60.50 (+ referral fee; see comment)	Referral	Tu, Th	5-7 days	5 mL EDTA whole blood	Insulated	Ambient
<p>Test to determine if female co-twin with a male is fertile Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Fungus Sensitivity	78.00 (+ referral fee; see comment)	Referral	M-F	14-21 days			
<p>Susceptibility testing for fungal cultures. Additional drugs tested beyond those offered by the AHDC. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Gastrin	45.60 (+ referral fee; see comment)	Referral	Thursday	7-10 days	1 mL serum	Insulated	Refrigerate
<p>A polypeptide hormone secreted by cells of the pylorus. Fast for 24 hours. Obtain pre sample. feed 1/2 can P/D prescription diet and 1/2 can beef broth. Feed full can of each if more than 40 pound dog. Do not let food remain longer than 15 minutes. Obtain samples at 15, 30, 45 and 60 minutes after feeding is started. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Glomerular Filtration Rate (Iohexol)	119.00 (+ referral fee; see comment)	Referral	1x/wk	7-10 days	2 mL serum; samples drawn 2, 3, and 4 hrs after admin of Iohexol		Refrigerate
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Glycolated Hemoglobin	52.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	EDTA whole blood	Insulated	Refrigerate
<p>Monitoring test for diabetes mellitus See also Fructosamine test. Must be on test w/in 7 days of draw/Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							



# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Granulosa Cell Panel 1  Panel includes Inhibin, Testosterone and Progesterone Based on recent publications, AHDC strongly recommends using Ref: Granulosa Cell Panel 2 that includes AMH, inhibin and testosterone (see AHDC web site for more details). Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	108.00 (+ referral fee; see comment)	Referral	Mon - Fri	7-10 days	2 mL serum	Separated serum in red top tube or other tube without additives	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Granulosa Cell Panel 2  Panel includes AMH, Inhibin, and Testosterone ?Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab?	156.00	Referral	Mon - Fri	7-10 days	3 mL serum	Separated serum in red top tube or other tube without additives.	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Hemophilus somnus  Causes Hemophilosis, a septicemic disease of cattle Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	16.20 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum	Insulated	Refrigerate
Ref: Histopathology, NW Zoo  Histopathological examination of fixed tissues at a specialty zoo animal pathology service. Routine zoo animal histopathology is performed by AHDC Anatomic Pathologists. This referral test to NW Zoo Pathology service is offered ONLY by specific request. The referral test fee is set by the laboratory performing the testing and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. This service sets fees after it receives tissues for examination, based upon the number of tissues to be examined and the number of slides prepared, viewed and described. Charges are not estimated in advance of submission to this service.	2.00 (charged in increments of \$2.00 in invoice from referral lab and cost varies greatly; (+ referral fee; see comment)	Referral					
Ref: HYPP  Hyperkalemic Periodic Paralysis; inherited defect in Quarter horses Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral	M-F	5-10 days	Pulled hair samples: 20-30 from mane and tail	Ziploc bag/sterile container	Ambient
Ref: Insulin Growth Factor-1  Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Most species can be tested.	79.00 (+ referral fee; see comment)	Referral	Wednesday	4 - 9 business days	0.5 mL Serum or Plasma	Red Top or Purple Top, SST	Refrigerate. Ship in insulated container with cold pack
Ref: Iodine  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	124.00 (+ referral fee; see comment)	Referral	Tu	2 days	1 mL serum or plasma		
Ref: Keppra/Levetiracetam  Checking Keppra levels in the blood Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. <b>Fasting is recommended, but not required.</b> Six healthy Quarter Horse foals, who were 3 days old or younger, were administered a single 32 mg/kg dose of levetiracetam either intravenously (IV) or intragastrically (IG); the dose of which was extrapolated from pharmacokinetic data reported for adult horses. To determine plasma levetiracetam concentrations blood was taken from all the foals at 0, 5, 10, 15, 20, 35, 45, 60 and 90 minutes and 2, 3, 4, 6, 8, 10, 12, 24, 36 and 36 and 48 hours after administration. The levetiracetam and plasma concentrations remained within the proposed therapeutic range (5-45 mg/L) and above the proposed target concentration (35 mg/L) for at least 12 hours for both IV and IG administration and there were no adverse events. Bioavailability for IG administration was excellent, and there was no significant difference in the pharmacokinetic variables between IV and IG administration. For more information: MacDonald, Hart KA, Davis JL, et al. Pharmacokinetics of the anticonvulsant levetiracetam in neonatal foals, Equine Vet J. 2017 Dec 1. <a href="https://onlinelibrary.wiley.com/doi/full/10.1111/evj.12790">https://onlinelibrary.wiley.com/doi/full/10.1111/evj.12790</a>	84.00 (+ referral fee; see comment)	Referral	Tues, Thurs	3-4 business days	1 mL serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack

**Last Updated: 11/13/2018** \* Each accession received will be charged a \$5.00 accessioning fee, in addition to the requested testing. Fees are subject to change without notice, please call the lab if you have any questions. Contract pricing available. For information please refer to <https://ahdc.vet.cornell.edu/billing/contract.cfm>  
**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Lactate  An enzyme that catalyzes the interconversion of lactate and pyruvate. Sodium Fluoride plasma required for this assay. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	46.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	1 mL Sodium Fluoride Plasma	Insulated	Refrigerate
Ref: Lawsonia IPMA  Referral test prices are set by the referral laboratory and may change without notice. a \$30.00 handling fee is added for each accession sent to each referring lab	24.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum		Refrigerate
Ref: LDH Isoenzymes  Test for several enzymes catalyzing the interconversion of lactate and pyruvate Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	74.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	1 mL serum	Insulated	Refrigerate
Ref: Leishmania PCR  Sample Required is EDTA whole blood.  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	2 mL EDTA whole blood	Insulated	Refrigerate or ship on cold pack
Ref: Leptospira MAT  Serovars available from National Veterinary Services Laboratories for referral: L. ballum, L. bataviae, L. tarassovi, L. australis, L. pyrogenes, L. sejroe, and L. szwajizak. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	31.20 (+ referral fee; see comment)	Referral					
Ref: Lutenizing Hormone  A gonadotropic hormone of the anterior pituitary gland. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	101.00 (+ referral fee; see comment)	Referral	1x/month	30 days	1 mL serum	Insulated	Refrigerate
Ref: Lyme Disease IFA  An acute polyarthritis caused by the spirochete Borrelia burgdorferi Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	2 mL serum	Insulated	Refrigerate
Ref: Lyme Quantitative C6 Antibody  ELISA test to detect antibodies to outer surface protein C6. This test can be performed on Canine samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	87.00 (+ referral fee; see comment)	Referral	M-F	4-6 business days	1 mL serum	red top blood collection tube; glass or plastic vial	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Malignancy Profile  Profile includes: Parathyroid hormone (PTH), Ionized calcium, Parathyroid hormone related protein (PTHrP) Prefer fasting sample. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	100.00 (+ referral fee; see comment)	Referral	M, Th	2 - 5 days	2 mL Serum and 1mL EDTA Plasma		Refrigerate. Ship in insulated container with freezer packs.
Ref: Malignant Catarrhal Fever IPT  This is an immunoperoxidase test designed to detect antibodies to the MCF virus. This serology test is indicated for clinical suspects. This test cross reacts with both Alcelaphine-associated and sheep-associated virus antibodies. All antibody positive IPT samples will be tested by the VN, resulting in two charges (IPT and VN). A clinical suspect is expected to be positive on the IPT test and negative on the VN test. Please call the laboratory before sending sample. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	37.00 (+ referral fee; see comment)	Referral	Wednesday	5-7 days	2 mL serum	red top tube	Refrigerate. Ship in insulated container with ice packs

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Malignant Catarrhal Fever SN  Virus Neutralization This test is indicated for testing host species for evidence of carrier status with the MCF virus. It is also appropriate to detect exposure in other animals. However, per the OIE, clinically affected animals fail to have/develop neutralizing antibodies, so the VN test alone is expected to be negative on clinical cases. Please call the laboratory before sending sample. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	16.80 (+ referral fee; see comment)	Referral	Thursday		2 mL serum	red top tube	Refrigerate. Ship in insulated container with ice packs
Ref: Masticatory Muscle Myositis 2M Ab  Test for chronic, progressive atrophy and fibrosis of the masticatory muscles. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	126.00 (+ referral fee; see comment)	Referral	Th	5-7 working days	1-2 mL serum	Insulated	Refrigerate
Ref: MCF PCR  PCR test to detect the Herpes viruses recognized to cause Malignant Catarrhal Fever. This PCR assay differentiates between alcelaphine herpesvirus 1 and ovine herpesvirus 2 The sample required from a live animal is EDTA whole blood.  Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	67.20 (+ referral fee; see comment)	Referral	M-F	7-14 days	EDTA Whole Blood or Tissue	Insulated	Refrigerate (not frozen)
Ref: Metabolic Profile  Results of a spectrum of tests of metabolic functions. Send w/complete history via overnight courier. For more information refer to Dr. Giger's Lab. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	61.00 (+ referral fee; see comment)	Referral	M-F	21-30 days	3-5mL Urine and 1mL Serum	Sterile plastic container (urine) and Red Top blood collection tube (Serum)	Refrigerate; ship for next day delivery in insulated container with freezer pack(s)
Ref: Muscle Profile  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	134.00 (+ referral fee; see comment)	Referral					
Ref: Muscle/Nerve Profile  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	223.00 (+ referral fee; see comment)	Referral					
Ref: Mycobacterial Culture (Acid Fast TB)  Test for presence of tuberculosis. This test does not speciate non-TB Mycobacterium species Send via USPO in NVSL mailer. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. This test is intended to detect Mycobacterium tuberculosis as a reportable disease.	58.00 (+ referral fee; see comment)	Referral	M-F	30-120 days	Tissue	Mycobacterium box	Ambient
Ref: Mycobacterial PCR  PCR for Mycobacterium species. Not for M. bovis or M. tuberculosis suspects. Formalin fixed tissue or paraffin blocks should not be decalcified. Tissue should be in wet formalin less than 10 days. Acid fast bacteria must be present on histopathology to perform PCR testing. Fresh tissue should be tested by requesting Mycobacterium Culture rather than PCR to increase testing sensitivity.	246.00 (+ referral fee; see comment)	Referral	M-F	12-14 Business days	Fixed tissue containing lesion	Sterile, leakproof, unbreakable container or paraffin block	Room temperature for fixed tissue and paraffin block
Ref: Mycobacterium Culture ID  All culture isolates (positive cultures for mycobacterium) will require additional speciation at a fee of \$70.00 to identify the Mycobacteria further. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.00 (+ referral fee; see comment)	Referral	Mon - Fri	60 - 120 days	Fresh tissue	Sterile, leakproof, unbreakable container	Ship for next day delivery in an insulated container with freezer packs.
Ref: Mycopl hyopneumoniae PCR  This test detects nucleic acid of the Mycoplasma hyopneumoniae bacteria Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	48.36 (+ referral fee; see comment)	Referral	M - F	1 - 3 days	lung, bronchial swab, BAL	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs

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VSS-WEB-076-V01 \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Mycopl hyorhinis PCR  This test detects the nucleic acid of the Mycoplasma hyorhinis bacteria Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral	M, Th	3 - 5 days	joint swab or joint tissue	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs.
Ref: Mycopl hyosynoviae PCR  This test detects the nucleic acid of the Mycoplasma hyosynoviae bacteria Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral	M, Th	3-5 days	joint swab or joint tissue	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs
Ref: Mycoplasma haemofelis (Hemobartonella felis) PCR  The sample required is EDTA whole blood.  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	47.00 (+ referral fee; see comment)	Referral	Wednesday	2 days	1-2ml EDTA whole blood		
Ref: Mycoplasma haemolama/ Eperythrozoonosis PCR  The sample required is EDTA whole blood.  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	47.00 (+ referral fee; see comment)	Referral	M-F		EDTA whole blood	EDTA tube/Insulated	Refrigerate
Ref: Mycoplasma PCR  This test is intended to be used to detect hemotropic Mycoplasma species in the host species susceptible to hemotropic mycoplasma infections, such as Mycoplasma haemofelis, Mycoplasma haemocanis, Mycoplasma haemolamae, Mycoplasma wenyonii, Mycoplasma ovis, etc. Many of these bacteria have been renamed as Mycoplasma from previous genus designations such as Haemobartonella or Eperythrozoon. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	47.00	Referral	Wednesday	2 days; tested on Wednesdays; Samples must be at lab on Tuesday	EDTA Whole Blood, 2-3 ml	Purple Top Blood tube	Refrigerate. Ship in insulated container with freezer pack for next day delivery.
Ref: Mycoplasma synoviae ELISA  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	1.50 (+ referral fee; see comment)	Referral	M-F		1 mL serum		Refrigerate
Ref: Neospora Hughesi  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	70.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	2 mL serum or 2 mL CSF		Refrigerate
Ref: Neospora Hughesi ELISA  This is an ELISA test for Neospora hughesi exposure, one of the causes of Equine Protozoal Myelitis in horses. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	54.00 (+ referral fee; see comment)	Referral	Monday and Thursday	1-2 days	1 ml Serum or CSF	Red top tube	Refrigerate
Ref: Nutritional Analysis, Dairy One  Chemical analysis of ration ingredients Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	46.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	Feed	Sterile	Refrigerate
Ref: Organic Acids Screen  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	240.00 (+ referral fee; see comment)	Referral	M-F	10-14 days	3 mL urine		Refrigerate

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Ovine Progressive Pneumonia PCR  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral					
Ref: Pancreatic Lipase Immunoreactivity (PLI), IDEXX  Testing for pancreatic inflammatory disease in dogs and cats Send via overnight service; hemolysis and lipemia may interfere with test. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	72.00 (+ referral fee; see comment)	Referral		1-2 days	1 mL CLEAR serum	Insulated	Refrigerate
Ref: Parathormone Related Prot  Associated with humoral hypercalcemia of malignancy Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	64.80 (+ referral fee; see comment)	Referral	T	7-10 days	1mL EDTA plasma	Insulated	Refrigerate
Ref: Parathyroid Hormone  Used in diagnosis of: Calcium metabolic disorders, Hypoparathyroidism, Hyperparathyroidism – Primary or Secondary, Malignancy, Vitamin D disorders, Renal disease, Hypercalcemia, Hypocalcemia. Also used to monitor calcitriol therapy. This test can be performed on samples from all species. Send via overnight courier. Avoid Hemolysis and lipemia. Fast animal overnight before taking sample. Ionized Calcium is automatically added to all Parathyroid Hormone requests at no additional charge. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	61.00 (+ referral fee; see comment)	Referral	M-F	2-6 Business Days	1 mL serum only	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Paratyphoid Tube  Send via overnight courier/Salmonella abortus-equi. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	9.30 (+ referral fee; see comment)	Referral	M-Th	~5-7 days	2 mL serum	Insulated	Refrigerate
Ref: PARR (PCR for Antigen Receptor Rearrangements)  (PARR) PCR for Antigen Receptor Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	138.00 (+ referral fee; see comment)	Referral	Canine - Tues & Thurs; Feline - Wed	5-7 days	Lymph node aspirate Slides, EDTA Blood, Bone marrow aspirate Slides, EDTA, Aspirate Slides, Fluid Slides or fluid, CSF Slides or fluid, Formalin fixed sample(at an additional cost)		Refrigerate and ship on cold pack
Ref: Pasteurella multocida IFA  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	30.00 (+ referral fee; see comment)	Referral	M - F	5 - 7 days	1 mL serum	Red top blood tube	Refrigerate. Ship in insulated container with ice packs
Ref: Pasteurella Typing  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	24.00 (+ referral fee; see comment)	Referral					
Ref: PBF DNA  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	36.00 (+ referral fee; see comment)	Referral					
Ref: Phage Typing  Characterization of bacteria, extending to strain differences. Test done in conjunction w/salmonella serotyping/Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	51.50 (+ referral fee; see comment)	Referral	M-F	10-21 days	Plate	Sterile	Ambient
Ref: Phosphofructokinase  PFK/Inherited disorder of some breeds of dogs; esp. Springer Spaniels. Send complete history w/sample via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	90.00 (+ referral fee; see comment)	Referral	M-F	10-20 days	EDTA blood	EDTA tube/Insulated	Refrigerate

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Piroplasmosis c-ELISA  Panel includes: Babesia Caballi and Babesia(Theileria)equi. <b>This test can be performed only on Equine samples. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</b>	43.20 (+ referral fee; see comment)	Referral	M-F	9-12 Business Days	2 ml serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Piroplasmosis CF  This is a complement fixation assay for the detection of antibodies against the agents listed here: Bovine: panel includes: Babesia bovis and B. bigemina Equine: panel includes: Babesia caballi and Babesia(Theileria) equi <b>This test can be performed on Bovine and Equine samples only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</b>	43.20 (+ referral fee; see comment)	Referral	M-F	9-12 Business Days	2 mL serum	Red top blood tube	Refrigerate. Ship in insulated container with ice pack
Ref: Piroplasmosis IFA  Same as Piro CF Send via overnight courier/Done on equine and bovine. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	36.00 (+ referral fee; see comment)	Referral	M-F	~5-7 days	2 mL serum	Insulated	Refrigerate
Ref: Plant Identification  Referral test fee is set by the referring lab and may change without notice; A \$15.00 handling fee is added for each accession sent to a local referral lab	30.00 (+ referral fee; see comment)	Referral					
Ref: Platelet Surface Assoc. Ab  Test for autoantibody against platelets. Equine and Canine only. Must be cold and tested within 24 hrs of draw. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	89.50 (+ referral fee; see comment)	Referral	M-F	~3-7 days	2 mL EDTA whole blood	Insulated	Refrigerate
Ref: Polyoma Virus PCR, RAL  Genus of viruses in the family Papovaviridae Also done at Ohio, Av & Exotic, and Georgia. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	21.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	.5 cc serum/blood/cloacal/feathers	Insulated	Refrigerate
Ref: Polysaccharide Storage, Blood/Hair  This is a PCR (Polymerase Chain Reaction) test to detect a nucleic acid sequence that is a marker of the genetic disease Equine Polysaccharide Storage Myopathy. This test is available for Equine only. If submitting hair, hairs must be plucked with root bulbs attached. Do not collect hair from grooming equipment that may contain hair from different horses. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	78.00 (+ referral fee; see comment)	Referral	W	7 - 14 Days	3-7ml EDTA Whole Blood or 20 Hair Roots	Purple Top Collection Container (Blood) Zip lock bag (Hair)	Refrigerate blood, send via overnight delivery; insulated container with freezer pack(s). Hair samples do not need freezer packs and can be shipped ground.
Ref: Polysaccharide Storage, muscle biop  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	126.00 (+ referral fee; see comment)	Referral					
Ref: Por E coli Genotyping PCR  Detects the genes responsible for producing the following pathogenic markers: STb (toxin), Sta (toxin), K99 (pilus), LT (toxin), F18 (pilus), K88 (pilus), F41 (pilus), Stx2e (toxin), EAST1 (toxin), Stx 1 (toxin), Stx 2 (toxin), AIDA (adhesin), PAA (adhesin) Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	36.00 (+ referral fee; see comment)	Referral	M, Th	5 - 7 days	pure culture of isolate	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs
Ref: Por Epidemic Diarrhea PCR  This test detects the nucleic acid of the porcine epidemic diarrhea (PED) virus. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	36.00 (+ referral fee; see comment)	Referral	M - F	1 - 3 days	feces, fecal swab, intestine, oral fluids, environmental samples	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs.

**Last Updated: 11/13/2018** \* Each accession received will be charged a \$5.00 accessioning fee, in addition to the requested testing. Fees are subject to change without notice, please call the lab if you have any questions. Contract pricing available. For information please refer to <https://ahdc.vet.cornell.edu/billing/contract.cfm>  
**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Porc cytomegalovirus PCR  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	42.00 (+ referral fee; see comment)	Referral	M, Th	3 - 5 days	blood, nasal swab, nasal turbinates, brain	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs.
Ref: Porc deltacoronavirus PCR  This test detects the nucleic acid of the porcine delta coronavirus. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	36.00 (+ referral fee; see comment)	Referral	M - F	1 - 3 days	feces, fecal swab, intestine, oral fluids, environmental samples	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs
Ref: Porcine Circovirus IFA  Iowa State charges a \$12.00 submission fee. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	21.00 (+ referral fee; see comment)	Referral	M, F	3-5 days	2 mL serum	Red top blood collection tube	It is recommended to ship samples with an ice pack.
Ref: Porcine Circovirus PCR  Iowa State charges a \$12.00 submission fee. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	42.00 (+ referral fee; see comment)	Referral	T, F	1-2 days	Fluid, tissue, oral fluid		Refrigerate, ship with cold packs
Ref: Porcine Parvovirus HI  This test detects antibodies to the porcine parvovirus Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	6.00 (+ referral fee; see comment)	Referral	Mondays	1 - 3 days	serum	red top tube	Ship in insulated container with ice packs
Ref: Porcine PED/TGE PCR  This test detects the nucleic acid of the porcine epidemic diarrhea (PED) virus and the transmissible gastroenteritis (TGE) virus. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	42.00 (+ referral fee; see comment)	Referral	M - F	1- 3 days	feces, fecal swab, intestine, oral fluids, environmental samples	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs.
Ref: Porcine Repro Resp Syndrome ELISA  Viral disease causing reproductive failure and respiratory disease. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	21.00 (+ referral fee; see comment)	Referral	M-F	1-2 days	1 mL serum	Insulated	Refrigerate
Ref: Porcine Repro Resp Syndrome PCR  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	42.00 (+ referral fee; see comment)	Referral					
Ref: Pregabalin - serum or plasma  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	143.00 (+ referral fee; see comment)	Referral	M, W, F	3 days	serum or plasma		Refrigerate
Ref: Pregabalin - urine  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	312.00 (+ referral fee; see comment)	Referral	M, W, F	3 days	urine		Refrigerate
Ref: Pregabalin - whole blood  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	234.00 (+ referral fee; see comment)	Referral	M, W, F	3 days	whole blood		Refrigerate
Ref: Pseudorabies gB ELISA  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	16.00 (+ referral fee; see comment)	Referral	3 X per week	2-4 days	1 mL Serum	Red top tube	Refrigerate
Ref: Pseudorabies PCR  This test detects the nucleic acid of Pseudorabies virus Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	36.00 (+ referral fee; see comment)	Referral	T, F	5 - 8 days	brain, tonsil, lung, fetal liver	unbreakable, leak-proof container	Refrigerate

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Q-Fever CF  Test to detect antibodies against Coxiella burnetii Send via overnight courier. IFA can be done at TVMDL. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	21.60 (+ referral fee; see comment)	Referral	T, Th	~2-5 days	2 mL serum	Insulated	Refrigerate
Ref: QMPS: DMSCC Testing, Special Milk Measurement  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	6.00 (+ referral fee; Referral see comment)	Referral					
Ref: Quantitative Calculi/Urinary  This test provides an analysis of the crystalline composition of the urolith(urinary stone) Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	38.00 (+ referral fee; see comment)	Referral	M-F	4-6 business days	Stone	Baylor Stone Collection Cup	None
Ref: Rabies Titer  This test is not used for export testing. This test provides an endpoint titer. Please see comment above regarding export testing. This test can be performed on all species. Send via overnight courier. Can use heat inactivated serum, must be noted on the form. Cannot use plasma. Sample needs at least 500ul for one run. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. The AHDC does not refer Rabies titers for export testing due to requirements of the testing lab. Please contact Kansas State Veterinary Diagnostic Lab directly at 785-532-4483.	85.00 (+ referral fee; see comment)	Referral	M, Th	23-30 Business Days	2 mL serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
Ref: RBC Surface Antibody  Direct immunofluorescent assay for IgG,IgA,IgM,and C3. Equine and Canine only. Send via overnight courier. Must be tested within 24 hrs of draw. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	79.50 (+ referral fee; see comment)	Referral	M-Th	~2-3 days	2 - 3 mL EDTA whole blood	Insulated	Refrigerate
Ref: Relaxin  Test used to determine pregnancy in Canine 30 days after last breeding. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Testing can only be performed on Canine only.	37.00 (+ referral fee; see comment)	Referral	Fri	7-10 days	1 ml Heparinized Plasma	Green Top Collection Tube	Refrigerate, ship over night in insulated container with freezer packs.
Ref: Rocky Mountain Spotted Fever PCR  The sample required is EDTA whole blood.  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-F	up to 4 wks	2 mL EDTA whole blood	Insulated	Refrigerate
Ref: Rocky Mtn Spotted Fever IFA  Using an indirect fluorescent antibody (IFA) technique, this test determines the titer of antibodies directed against Rickettsia rickettsii (disease-causing agent of Rocky Mountain Spotted Fever) in canine serum samples. Testing can be performed on Canine samples only. ?Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	37.00 (+ referral fee; see comment)	Referral	Wednesday	2-7 Business Days	1 mL serum	Red top collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
Ref: Salmonella PCR  Send via overnight courier. This service is performed pursuant to an agreement with Roche Molecular Systems, Inc. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	50.00 (+ referral fee; see comment)	Referral	M-F	2-3 days	Feces, fecal swab, GI tissue, bile	Insulated	Refrigerate
Ref: SDMA  Symmetric dimethylarginine (SDMA) is a renal biomarker. This assay which detects SDMA is used to investigate, monitor, and manage kidney disease earlier in dogs and cats. This test is available for Canine and Feline only. Avoid hemolysis and lipemia. Send via overnight courier. Can be stored for 4 days at room temperature, 14 days at 2-8 degrees. Freeze for longer storage. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	13.00	Referral	M - F	2 Business Days	1ml Serum (Preferred) or 1ml EDTA Plasma, or 1 ml Heparinized Plasma	Red Top Collection Container, or Purple Top Collection Container, or Green Top Collection Container	Refrigerate, send via overnight delivery; insulated container with freezer pack(s)



# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Semen Analysis  Tests the viability of semen Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	Semen	Insulated	Refrigerate or freeze
Ref: Stone Analysis - Minnesota  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	0.00 (+ referral fee; see comment)	Referral	M-F	10-14 days	Stone	Unbreakable container	
Ref: Streptococcus equi ELISA  Elisa for detection of antibodies against the SeM protein of S. equi Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	60.00 (+ referral fee; see comment)	Referral	M-F	~4-7 days	1-2 mL serum	Sterile leak-proof container	Refrigerate
Ref: Taurine, food  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	108.00 (+ referral fee; see comment)	Referral					
Ref: Taurine, plasma  Sulphur-containing amino acid; essential for cats. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	90.00 (+ referral fee; see comment)	Referral	M-F	10-14 days	frozen heparinized plasma	Insulated	Refrigerate or dry ice
Ref: Taurine, urine  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	88.00 (+ referral fee; see comment)	Referral			urine		
Ref: Taurine, whole blood  Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	91.25 (+ referral fee; see comment)	Referral	M-F	10-14 days	heparinized whole blood	Insulated	Refrigerate or dry ice
Ref: TGE/Por Resp Corona ELISA  This test detects antibodies to the transmissible gastroenteritis (TGE) virus/ porcine respiratory coronavirus. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	11.00 (+ referral fee; see comment)	Referral	T, Th	1 - 3 days	serum	unbreakable, leak-proof container	Refrigerate. Ship in insulated container with ice packs
Ref: Theophylline  Checking Theophylline levels in the blood Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. Please do not use Serum Separator Tubes. Fasting is recommended, but not required	60.00 (+ referral fee; see comment)	Referral	Run as received	2-4 business days	1 mL serum	red top blood collection tube; glass or plastic vial	Refrigerate. Ship in insulated container with ice pack
Ref: Thyroid Panel, Canine  Includes TT4, TT3, FT4D, FT3, T4AA, T3AA, TSH, TGAA Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	70.00 (+ referral fee; see comment)	Referral	M-F	3-5 days	2 mL serum		Refrigerate
Ref: Tick Panel  Panel includes: B. canis, B. gibsoni, E. canis, R. rickettsii, B. henselae, B. vinsoni, B. koehlerae (by IFA) and Lyme, Anaplasma, Ehrlichia and Heartworm (By Snap 4DX Plus) Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. CANINE ONLY	114.00 (+ referral fee; see comment)	Referral	M-F	7-10 business days	2 mL serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Tick Panel - PCR  PCR Panel includes: PCR testing for known pathogens in six genera: Babesia, Bartonella, Anaplasma, Ehrlichia, Rickettsia, and hemotropic Mycoplasma. All positive PCR results are verified by performing sequencing analysis which also takes identification to the species and sometimes strain level. This test can be performed on most species. Call lab with exotic animals. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	150.00 (+ referral fee; see comment)	Referral	Batched weekly	9-12 business days	2 mL EDTA whole blood	EDTA blood Tube	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)
Ref: TLI, PLI, Cobalamin and Folate  Trypsin-Like Immunoreactivity (TLI) assay for exocrine pancreatic function testing (i.e to diagnose EPI) in dogs and cats (species specific) Pancreatic Lipase Immunoreactivity (PLI) assay specifically detects lipase of pancreatic origin for diagnosis of pancreatitis in dogs and cats (species specific). Cobalamin (Vitamin B12) and Folate assay for evaluation of small intestinal function (not species specific) This test is available for Canine and Feline only. Administration of oral pancreatic extracts does not affect serum TLI concentrations in either normal dogs or cats with EPI, so withdrawal of enzyme supplementation prior to testing of dogs and cats that are already receiving supplementation is unnecessary. Avoid hemolysis and lipemia. Serum folate has limited stability; try to draw blood samples Monday-Wednesday and ship same day or hold separated serum samples in freezer and ship to us for arrival Tuesday - Thursday. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	92.00	Referral	M-F	2-3 Days	2ml of 12 hour fasted Serum	Red Top Collection Container; send separated serum to avoid hemolysis.	Refrigerate, send via overnight delivery; insulated container with freezer pack(s)
Ref: Toxoplasma IgG/IgM  This ELISA test detects the presence of IgG and IgM antibodies to Toxoplasma gondii in serum, cerebrospinal fluid and aqueous humor. This test can be performed on Canine, Feline, Canidae, and Felidae only. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	30.00 (+ referral fee; see comment)	Referral	Tu, Thurs	6 Business days	0.5 ml Serum, CSF or Aqueous humor	Red Top blood tube	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)
Ref: Toxoplasmosis IgG (MAT)  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	27.00 (+ referral fee; see comment)	Referral	M-F	1-2 days	2 mL serum, plasma, or CSF (serum is preferred)		Refrigerate
Ref: Trace Nutrient Panel, serum  Test to check for mineral composition in serum or blood. Includes Se, Cu, Co, Zn, Fe, Mo, Mn. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	54.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	Blood, serum	Insulated	Refrigerate
Ref: Trace Nutrient Panel, tissue  Test to check for mineral composition in feed, tissue. Includes Se, Cu, Co, Zn, Fe, Mo, Mn. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	54.00 (+ referral fee; see comment)	Referral	M-F	7-10 days	Tissue, feed	Insulated	Refrigerate
Ref: Tritrichomonas foetus PCR  Please see male and female sample collection instructions for Tritrichomonas sampling and instructions for using Inpouch mediasystem. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	58.00 (+ referral fee; see comment)	Referral	Tu, Th	3-5 days	bovine - Tritrichomonas transport media (e.g. InPouch) inoculated with preputial (male) or cervical (female) sample cats - 1-2 grams feces	InPouch media system - bovine samples unbreakable, leakproof tube or cup-feline samples	Room temperature, insulate from temperature extremes
Ref: Troponin  A complex of muscle proteins which, when combined with Ca2+, influence tropomyosin to initiate contraction. Send pre and post exercise samples on dry ice by overnight courier. Remove serum or plasma from cells within 2 hours! Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	104.00 (+ referral fee; see comment)	Referral	M, F	1-3 days	1 mL serum or hep plasma	Insulated	Dry ice
Ref: Trypsin-Like Immunoreactivity  Exocrine pancreatic function test. This test can be performed on canine and feline samples. Laboratory is willing to run the assay on exotic animal samples, but it is not validated for those. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	34.80 (+ referral fee; see comment)	Referral	M-F	3 - 5 business days	1 mL serum	Red Top blood tube, serum separator tube	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Trypsin-like Immunoreactivity & Pancreatic Lipase Panel	66.00 (+ referral fee; see comment)	Referral	M-F	3-5 business days	1 mL serum	Red top blood collection tube or serum separator tube	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)
<p>Test for diagnosis of pancreatitis in dogs and cats (species specific) and test for exocrine pancreatic function testing (i.e to diagnose EPI) in dogs and cats (species specific).  <b>Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. This test is validated for Canine and Feline. Can be run on Exotics, but it is not validated.</b></p>							
Ref: Tularemia Plate Agglutination	9.00 (+ referral fee; Referral see comment)	Referral	M-F	~5-7 days	2 mL serum	Insulated	Refrigerate
<p>Caused by Francisella tularensis                  Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Tyzzer's Disease PCR	66.00 (+ referral fee; see comment)	Referral		5 days	1 g fresh cecum or liver		Refrigerate
<p>PCR to detect Clostridium piliforme                  Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Urine Bile Acids	70.00 (+ referral fee; see comment)	Referral	M-F	1-3 days	1 mL urine	Insulated	Refrigerate
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Urine Microalbumin	29.00 (+ referral fee; see comment)	Referral	M-F	2-3 days	2-3 mL urine	P cup or red top blood tube	Refrigerate
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Vesicular Stomatitis CF	40.75 (+ referral fee; see comment)	Referral					
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Vesicular Stomatitis ELISA	43.20 (+ referral fee; see comment)	Referral					
<p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Vitamin D Profile	82.00 (+ referral fee; see comment)	Referral	Monday and Friday	2-8 business days	1.5 mL Serum or Heparinized plasma(not EDTA plasma)	Red Top, Purple Top, Green Top or SST blood tubes	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)
<p>Assay for 25- Hydroxyvitamin D  <b>This test can be performed on most species. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</b></p>							
Ref: Vitamin D, 25-hyd	60.00 (+ referral fee; see comment)	Referral	Monday and Friday	3-9 Business days	0.5 mL Serum or Plasma (Heparinized and EDTA is accepted)	Red Top, Purple Top, Green Top or SST blood tubes	Red Top, Purple Top, Green Top or SST blood collection tubes
<p>1. To identify Vitamin D toxicity or deficiency.                  A. Will pick up metabolites of cholecalciferol (rat poisons, vitamin D supplements).                  B. Will not pick up Vitamin D toxicity due to calcitriol (Rocaltrol) or calcipotriene (Dovonex - anti-psoriasis cream).                  2. To identify Vitamin D deficiency in animals eating homemade diets, or for certain species, especially Llamas/Alpacas, lizards, primates, and other zoo animals                  ?This test can be performed on appropriate samples from all species. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</p>							
Ref: Vitamin E, tissue	32.00 (+ referral fee; see comment)	Referral	W	7-10 days	Fresh tissue	Insulated	Refrigerate
<p>Determines amount of Vit. E in submitted sample.                  Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref:Anaplasma phagocytophilum (Ehrlichia Equi) IFA  Detects antibodies against Anaplasma phagocytophilum (formerly known as Ehrlichia equi) in serum via indirect fluorescent antibody test: tested at 1:64, 1:128, 1:256, 1:512, 1:1024, and 1:2048 dilutions. This test can be performed on Equine, Feline, Canine, Ovine, Bovine, Caprine, and Rabbit samples only. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	42.00 (+ referral fee; see comment)	Referral	M-F	4-6 business days	2 mL serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref-Q: Antibiotic Residue  Antibiotic Residue Test by DairyOne Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	3.00 (+ referral fee; see comment)	Quality Milk Production Services	2 days per week	2 days	milk	clean,sterile container	Do Not Freeze
Ref-Q: Butterfat & Protein  Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	1.00 (+ referral fee; see comment)	Quality Milk Production Services			>60 ml milk	vial	Do not freeze
Ref-Q: Lab Pasteurized Count  Non NYS Price: \$6.00 Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	5.25 NY state; (+ referral fee; see comment)	Quality Milk Production Services	M-F	24-48 hrs	2 oz Milk	Clean, Sealed Container	Refrigerate, Ship on ice, Do NOT freeze
Ref-Q: Milk Urea Nitrogen (MUN)  MUN test done by DairyOne Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	1.50 (+ referral fee; see comment)	Quality Milk Production Services	2 days per week	2 days	milk	clean, sterile container	Do Not Freeze
Ref-Q: Pre-Incubation Count  Pre-Incubation Count (PIC) Non NYS Price: \$6.00 Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	5.25 NY state, \$6.00 out of state (+ referral fee; see comment)	Quality Milk Production Services	M=F	24-48 hrs	2 oz Milk	Clean, Sealed Container	Refrigerate, Ship on ice, Do NOT freeze
Ref-Q: Somatic Cell Count  preservative as needed Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	1.00 (+ referral fee; see comment)	Quality Milk Production Services	M-F	24 hrs	> or = 60 ml Milk	Clean, Sealed Container	Refrigerate, Ship on ice, Do NOT freeze
Ref-Q: Standard Plate Count  Standard Plate Count (SPC) Non NYS Price: \$6.00 Referral test fee is set by the referring lab and may change without notice; also, a \$10.50 handling fee is added for each accession sent.	5.25 NY State fee (+ referral fee; see comment)	Quality Milk Production Services	M-F	24-48 hrs	2 oz Milk	Clean, Sealed Container	Refrigerate, Ship on ice, Do NOT freeze
REF-Q:Total Coliform Count  Total Coliform Count (TCC) Non NYS Price: \$6.00	5.25 NY State	Quality Milk Production Services	M-F	24-48 hrs	2 oz Milk	Clean, sealed container	Refrigerate, Ship on ice, Do NOT freeze

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Reproductive Bacteriology Cultures, Panel 4  Includes Aerobic, Mycoplasma and Ureaplasma cultures. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not included in the testing fee and are not applicable to Mycoplasma spp. and Ureaplasma spp. Tests can be ordered separately. Preliminary aerobic culture results will be provided one day after sample processing begins.	94.00 /sample	Bacteriology	M-F	5-7 days	1) Uterine, cervix or vaginal mucus; 2) Semen, urethra or prepuce	1-2) Swabs in Amies transport media WITHOUT charcoal or fluids/tissues in sealed sterile container	1-2) Refrigerate. Ship in insulated container with ice pack.
Reserpine (LC/MS)  Liquid Chromatography/Mass Spectrometry (LC/MS) (increased sensitivity)	165.50 /sample	Toxicology	M-F	1-3 days	1) 10 mL heparin whole blood; or 2) transfer 5 mL heparin plasma to a red top tube	1) Heparinized tube, no gel clot; 2) red top blood collection tube	1-2) Refrigerate w/ cool pack
Respiratory Bacteriology Cultures, Panel 6  Includes Aerobic, Mycoplasma and Ureaplasma cultures. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not included in the testing fee and are not applicable to Mycoplasma spp. and Ureaplasma spp. Tests can be ordered separately. Preliminary aerobic culture results will be provided one day after sample processing begins.	94.00 /sample	Bacteriology	M-F	5 days	1) Tracheal wash; 2) Lung 3) Aseptically collected swab of tracheal wash or lung	1-2) Swab in Amies transport media (swab) WITHOUT charcoal or fluids/tissues in sealed sterile container	1-2) Refrigerate. Ship in insulated container with ice pack.
Reticulocyte Count  Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com Do not allow coolant to come in contact with specimen; ship Overnight	10.50	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate
Rheumatoid Factor (RF)  Testing for autoantibodies to aid in the diagnosis of immune-mediated disease. Dog only	36.00	Clinical Pathology	1x/wk	7 days	1 mL separated serum	Red top (non-anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Rhodococcus equi virulence PCR  PCR Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. See Appendix I for service agreement statement	36.75	Molecular Diagnostics	M-F as needed	3 days	1) culture (solid or liquid) or isolate; 2) tracheal wash; 3) tissue (min. 5 g)	1) isolate already in lab/submitted in liquid or solid media; 2, 3) unbreakable, leak-proof container	Refrigerate
Ristocetin Cofactor Activity (vWF R:Co)  Functional assay of vWF-dependent platelet agglutination Ship Overnight; contact Lab. For additional info on Submission Guidelines, or see Comp Coag web page	48.50	Comparative Coagulation	1x/wk	2-7 days	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Rivaroxaban  Anti-Xa activity measured in a chromogenic assay configured with a rivaroxaban calibration standard. Samples for determination of peak rivaroxaban anti-Xa activity should be collected 3 hours after oral drug administration. For more information, see Rivaroxaban assay FAQs	45.00	Comparative Coagulation	As required	Same day	0.5 mL Citrated plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate sample. Ship overnight with ice packs in insulated container.
Rotavirus Antigen Detection, Group A Latex agglutination to detect Group A Rotavirus antigen	25.00 /animal	Virology	Varies	3 days	5cc feces	Leakproof container	Freezer Packs
Rotavirus FA-Any Species  Fluorescent antibody	25.00	Virology	M - F	2 - 4 days		Sealable plastic bag or container	Ship in insulated container with ice packs.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ruminant CNS Panel, Bacteriology  Includes Aerobic and Listeria cultures. *May qualify for New York State contract pricing. Rabies testing must be done prior to submission. Antimicrobial susceptibilities are not included in the testing fee. Culture preliminary results will be provided one day after sample processing begins.	62.00 /sample	Bacteriology	M-F	5-7 days	1) Brain or cerebellum; 2) Cerebrospinal fluid 3) Aseptically collected Swab of meninges, brain or CSF	1-2) Sealed sterile container 3) Swab in Amies transport medium with or without charcoal or in Anaerobic transport medium	1-2) Refrigerate. Ship in insulated container with ice pack.
Ruminant Liver Panel  AST, SDH, GGT, GLDH, NEFA, BHB, Total protein with albumin and globulins, A/G ratio, CK Test reference ranges can be found at Clinpath Reference Intervals.	32.00	Clinical Pathology	M - F	1-2 days	2 mL separated serum	Red top (non-anticoagulant) tube	Refrigerate
Russell's Viper Venom Time (RVVT)  Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page	26.50	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Salm Dublin ELISA-Bulk Tank, NYSCHAP  Detection of Salmonella Dublin antibodies in bovine herds For NYSCHAP bovine herd testing only. An official NYSCHAP form must accompany samples. Using this alternative test code for NYSCHAP samples allows the results to be incorporated in the NYSCHAP results database. To test bulk tank samples from non-NYSCHAP herds, request standard Salmonella Dublin ELISA (SALD) For more information about Salmonella Dublin in cattle, see Multi-drug Resistant Salmonella Dublin in Cattle.	11.00	Serology	2-4 days/week	3 days	2 mL bulk tank milk; preservative okay	Vial	Refrigerate
Salm Pullorum/Gallinarum microaggl.  Microagglutination Salmonella enterica, serotype Gallinarum, biotype Gallinarum and Salmonella enterica, serotype Gallinarum, biotype Pullorum, the agents that cause fowl typhoid/pullorum disease, elicit common antigenic reactions on the microagglutination test. Since 1954, breeders are considered negative for both diseases based on the results of this test. This test does not detect antibodies to Salmonella Typhimurium.	25.00	Avian Diagnostics	M-Th	3 - 5 days	1 ml Serum, plasma is not an acceptable sample	red top blood collection tube	It is recommended to ship samples with an ice pack.
Salmonella Culture  For the isolation of Salmonella species. *May qualify for New York State contract pricing. Test is also part of the Enteric Panel 1, Enteric Panel 2, and Enteric Panel 3. Antimicrobial susceptibilities are not included in the testing fee. See the Adult Equine Diarrhea Kit for equine submissions.	22.00 /sample	Bacteriology	M-Sa	3-5 days	1) Fresh feces or intestinal contents; 2) Ligated ileum or jejunum; 3) Mesenteric lymph node; 4) other tissues; 5) Water; 6) Swab of 1-4	1) Feces in sealed sterile container or ParaPak; 2-5) Tissues or fluids in separate, sealed, sterile containers 6) Swab in Amies transport media or other suitable bacterial transport medium	1-6) Refrigerate EXCEPT ParaPak (Parapak at room temperature)
Salmonella Dublin ELISA  Detection of Salmonella antibodies For more information about Salmonella Dublin in cattle, see Multi-drug Resistant Salmonella Dublin in Cattle. This test can be performed on serum, individual cow milk samples and herd bulk tank or string milk samples. For NYSCHAP herd bulk milk tank testing, please see Salm. Dublin ELISA-Bulk Tank, NYSCHAP. (using the alternate code for NYSCHAP submissions allows the results to be incorporated into the NYSCHAP results database)	11.00 /sample	Serology	2-4 days/week	3-5 days	2 mL Serum, individual milk, bulk milk	red top tube (serum), vial (milk)	Refrigerate
Salmonella PCR  Salmonella Spp. environmental surveillance program for equine facilities with next-day result availability. A combination of enrichment culture and PCR will be performed. Surveillance samples must be submitted (be in the lab) on Wednesday each week by 3 PM. Samples should be collected Tuesday and shipped overnight, or collected Wednesday morning and hand delivered to the lab. Screening results will be reported by 5pm on Thursday. For sample collection information, refer to Salmonella Surveillance Materials and Directions. Samples arriving on other days or after 3pm will be processed by routine Salmonella culture testing. If there is a need for expedited results on a different day, contact salmonella@cornell.edu to make STAT arrangements (additional fees will apply). PCR-positive samples will be further cultured in order to determine bacterial viability and positive cultures will be serogrouped. Culture, serogroup and serotype identification of Salmonella Sp isolated will incur an additional charge per sample tested. A preliminary Salmonella culture report for PCR positive samples will be available in 48 hours. Serogroup results will be reported within 3-5 days. Antibiotic sensitivity testing is available if desired for an additional charge per isolate and the results will be reported within 3-5 days.	30.00	Molecular Diagnostics	Wednesday	2 days	Please refer to Comments	Sterile Whirl-pak bags or sterile collection jars, also zipper-lock bags for secondary containment.	Refrigerate. Ship in insulated container with ice pack. Samples must not be collected more than 5 days prior to expected delivery to the laboratory.
Sand Bedding Particle Size  Particle size analysis for sand bedding.	38.00	Quality Milk Production Services	As needed	3 days	Sand bedding	Quart-size ziplock bag	Refrigerate

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Sand Recovery Analysis Sand recovery from horse feces.	15.00	Parasitology	1 day/week	2 days	200 grams (8 -10 fecal balls) of feces	Leakproof container	
Selenium, tissue/feed (Selenium Hydride Atomic Absorption)	55.00	Toxicology	M-F	6 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Selenium, whole blood  Atomic Absorption analysis of whole blood Cannot analyze in plasma or serum - Need whole blood. Contact Lab for specifics for avian and very small animals. May also want to consider "Vitamin E Alcohol in Serum" test as well.	28.00 /sample	Toxicology	M-F	3 days	1) 5 mL heparin whole blood; 2) 5 mL EDTA whole blood	1) green top blood collection tube; 2) purple top blood collection tube	1-2) Refrigerate w/ cool pack
Semen Colony Forming Units (CFU) Aerobic culture. Includes quantification of colony-forming units/ml of semen. Please contact Laboratory for submission requirements. Antimicrobial susceptibilities are not included in the testing fee.	33.00 /sample	Bacteriology	M-Th	2-7 days	Semen	1) Semen straws	1) Liquid nitrogen
Serum Amyloid A  Serum Amyloid A turbidometric immunoassay (TIA) The lower limit of detection is <5 ug/ml. The upper reported limit is 2500 ug/mL in horses. This test is currently being performed only in horses. See Test Info and Protocols for more information. For test interpretation, refer to eclinpath.com	36.00	Clinical Pathology	Mon - Sat	1-2 days	5 mL Serum or heparinized Plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Shar-Pei Auto-inflammatory Disease genetic test  This assay detects the number of gene copies present for the targeted sequence For more information, please refer to Shar-Pei Auto-inflammatory Disease Testing	160.00	Molecular Diagnostics	As required	Variable. A minimum number of samples is required to initiate a test run.	EDTA whole blood; 1 ml minimum, must be at least 1/2 full for the tube size	Purple top tube	Refrigerate
Skin Scraping For ectoparasites Visual examination, KOH digest and Sugar Centrifugation Flotation; send an adequate sample size in an escape-proof container; remember to scrape until skin begins to bleed	28.00	Parasitology	M-F	1-3 days	hair/fur and epidermal tissue	escape-proof, sealed container	Not needed
Small Animal Chemistry Panel  Canine or feline: Na, K, Cl, Bicarb, Anion gap, Na:K, BUN, Creat, Ca, P, Mg, TP, Alb, Glob, A/G, Gluc, ALT, AST, AP, GGT, Tot/Dir/Ind Bilirubin, Chol, CK, LDH, Amylase, Fe, TIBC, % Saturation, Lipase Test reference ranges can be found at Clinpath Reference Intervals.	52.00	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Small Animal Liver Panel  Canine or feline: ALT, AST, ALP, GGT, Tot Bili, Alb, Chol, Gluc, Urea Test reference ranges can be found at Clinpath Reference Intervals.	27.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Small Animal Renal Panel  Canine or feline: Na, K, Cl, Bicarb, Anion gap, Urea, Creat, Alb, Ca, P	28.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Small Ruminant Abortion Serology Panel  Includes only Lepto M-A, Brucella Card Agglutination, Toxoplasma ELISA, BVD SN. If this testing is for a goat, you may also want to request Caprine Herpes SN separately. If it is for a camelid (e.g. alpaca, llama) you may also want to request EHV-1 SN and ERV-1 SN. Please also note that the Brucella Card Agglutination test does not reliably detect Brucella ovis. Request that separately if indicated based on history, signs, animal movement, etc. (Brucella ovis ELISA is a referral test and subject to additional referral fees). See Guide to Submissions for Abortions for more information.	124.00 ; see comment	Multiple Sections	Varies	5-9 days	5 mL serum	red top blood collection tube	

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Small Ruminant Lentivirus cELISA  This Small Ruminant Lentivirus (SRLV) Antibody Test Kit is a competitive, enzyme-linked, immunosorbent assay (cELISA). Sample serum CAEV or OPPV antibody inhibits binding of horseradish peroxidase (HRP)-labeled SRLV-specific monoclonal antibody to CAEV antigen coated on the plastic wells. Binding of the HRP-labeled monoclonal antibody conjugate is detected by the addition of enzyme substrate and quantified by subsequent color product development. Strong color development indicates little or no blockage of HRP-labeled monoclonal antibody binding and therefore the absence of CAEV or OPPV antibody in sample sera. Weak color development due to inhibition of the monoclonal antibody binding to the antigen on the solid phase indicates the presence of CAEV or OPPV antibodies in sample sera. Contact lab for add'l possible test days. Testing of lambs less than 6 months of age not recommended unless from negative ewe. Young kids from dams with unknown status, test at a minimum of 3-4 months of age; re-test Negative herd additions or animals with recent suspect exposure in 90 days. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	9.50	Virology	Wednesday	1 week	1 ml serum, plasma is not an acceptable sample for this test. Acceptable species: Caprine or Ovine.	red top collection tube	It is recommended to ship samples with an ice pack.
Sodium  See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	9.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Sodium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube	Refrigerate
Somatic Cell Count (SCC)	3.00 NY; \$4.00 out of state	Quality Milk Production Services	M-F	24 hrs	1-15 ml Milk	Clean, Sealed Container	Refrigerate, Ship on ice, Do NOT freeze
Sorbitol Dehydrogenase (SDH), blood  Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	11.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Special Stain #1  THIS TEST CODE FOR INTERNAL USE ONLY.	50.00	Clinical Pathology	M - F	5 days	Slides		
Special Stain #2	80.00	Clinical Pathology	M-F	5 days	Slides		
Special Stain #3	110.00	Clinical Pathology	M - F	5 days	SLIDES		
Special Stain #4	140.00	Clinical Pathology	M - F	5 days	Slides		
Stained Histology Slides  Slides prepared from (FFPE) blocks H&E or Special Stained slides prepared from Anatomic Pathology cases in addition to the Histopathology. Stained slides are requested to either have Anatomic Pathology review or to have them sent to another facility for review/referral. Additional charges will be applied for shipping and handling.	10.25	Anatomic Pathology	M-F	5 business days	Paraffin embedded tissue block		Room temperature
Streptococcus equi Culture  For the isolation of Streptococcus equi ONLY. Consider additionally testing by Streptococcus equi PCR. Please request Aerobic Culture for evaluation of all equine respiratory bacterial pathogens. Antimicrobial susceptibilities are not included in the testing fee.	22.00 /sample	Bacteriology	M-F	2-7 days	1) Nasal pharyngeal fluid; 2) Abscess aspirate; 3) Tracheal wash; 4) tissue sample e.g lymph node, lung 5) Swab of 1-4	1-4) Fluid or tissue in sealed sterile container; 4) Swab in Amies transport media WITH charcoal or other suitable aerobic transport medium	1-3) Refrigerate
Streptococcus equi PCR  Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems. Stat processing is available. For more information, please see Molecular Diagnostic STAT policyResources:	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) nasal swab; 2) tracheal or guttural wash (min. 2 mL); 3) culture (solid or liquid) or isolate	unbreakable, leak-proof container	Refrigerate
Strychnine, liquids/fluids	55.25 /sample	Toxicology	M-F	3 days	1) 10 - 20 mL heparin whole blood; 2) 10 - 20 mL urine	1) Heparinized tube, no gel clot; 2) sterile leak-proof container	1-2) Refrigerate w/ cool pack

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Strychnine, solids	90.00 /sample	Toxicology	M-F	3 days	1) 50g liver; 2) 50g stomach contents or vomitus	1-2) sterile container	1-2) Refrigerate w/ cool pack
Sulfur	40.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Surgical Biopsy Diagnosis Only (1-2 sites)	66.50 for 1-2 sites; Additional charges apply for submissions including more than 2 sites. Please contact in advance for availability at 607-253-3319 or pathologyservice@cornell.edu	Anatomic Pathology					
<p>Basic biopsy submission includes up to 2 separate sites processed for histopathology evaluation with a Diagnosis Only included in the report. Please identify multiple biopsies that need to be interpreted separately from each other (ex. submit in separate jars, tissue cassettes, or mark with sutures in the same jar). It is preferred that endoscopic biopsies be placed between two wet biopsy sponges in a tissue cassette. Use Histopathology Submission Form</p>							
Swine Coronavirus (TGE) PCR	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) tissue (min. 5 g); 2) ascites or body fluid (min. 2 mL); 3) feces (min 5 g)	unbreakable, leak-proof container	Refrigerate
<p>The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. For species specific testing information please see Coronavirus PCR Guidelines.</p>							
Swine Influenza Virus Matrix PCR	0.00	Molecular Diagnostics	M-F as needed	3-5 days	nasal swabs	unbreakable, leak-proof container	Refrigerate
<p>This PCR assay will detect most if not all influenza virus types currently circulating in most species, including 2009 H1N1. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. <b>Bacterial transport media are not appropriate for PCR assays.</b> If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided.</p> <p>This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Synovial Fluid Cytology	55.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) Joint fluid in EDTA AND 2) Smears (at least 2-3 unstained smears preferred); 3) Also submit a red-top tube if culture is anticipated.	1) Lavender-top tube; (+/- red-top tube); 2) Frosted-end slides	Refrigerate purple top tube. Ship overnight in insulated container with freezer packs. Keep slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
<p>Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Total Protein, Nucleated cell count, RBC count, Viscosity, Smear type, Smear description, Smear Interpretation                  If only slides (and no fluid) are submitted, request a cytology smear exam on the cytology submission form and specify the joint sampled as the source. For joint fluid in EDTA, please also submit 2-3 freshly prepared smears from the fluid. Also specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. It is important to rapidly air-dry any smears. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For test interpretation, refer to eclinpath.com. For additional information see Cytology Testing</p>							
T3 (Triiodothyronine) baseline For more information, see Appendix C	17.00	Endocrinology	M-F	1-3 days	1.5 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Post Suppression Test: T3 Contact Lab for protocol; For more information, see Appendix C	11.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Post Suppression Test: T4 Contact Lab for protocol; For more information, see Appendix C	10.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Suppression Test: T3 T3; feline Contact Lab for protocol; For more information, see Appendix C	15.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate

**Last Updated: 11/13/2018** \* Each accession received will be charged a \$5.00 accessioning fee, in addition to the requested testing. Fees are subject to change without notice, please call the lab if you have any questions. Contract pricing available. For information please refer to <https://ahdc.vet.cornell.edu/billing/contract.cfm>  
**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
T3 Suppression Test: T4 Contact Lab for protocol; For more information, see Appendix C	13.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma each sample	plastic or glass tube	Refrigerate
T3: Post TRH Test TRH post 4 hour For more information, see Appendix C	11.50	Endocrinology	M-F	1-3 days	1 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3: TRH Response T3 - Pre TRH treatment For more information, see Appendix C	15.50	Endocrinology	M-F	1-3 days	1 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T4 (Thyroxine) baseline Thyroxine baseline For more information, see Appendix C	15.00	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
T4 & Free-T4 (Immulite) & TSH combination  Includes Total T4, Free T4, and TSH For more information, see Appendix C and Canine Thyroid Testing	40.00	Endocrinology	M,T,W,Th,F	1-2 business days	1 - 2 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice packs.
T4 & Free-T4 (Immulite) combination  Includes Total T4 and Free T4 For more information, see Appendix C or Canine Thyroid Testing	34.00	Endocrinology	M,T,W,Th,F	1-2 business days	1 mL serum	plastic or glass tube	Refrigerate
T4 & Free-T4 by dialysis & TSH combination  Includes T4, FT4d, TSH For more information, see Appendix C	58.00	Endocrinology	M, Th	2-5 days	2 - 2.5 mL serum	red top blood collection tube or plastic tube	Refrigerate
T4 & Free-T4 by dialysis combination Includes T4 and FT4d For more information, see Appendix C	47.00	Endocrinology	M, Th	1-5 days	1 - 2 mL serum	plastic or glass tube	Refrigerate
T4 & T3 combination Includes T4 and T3. For large animal testing For more information, see Appendix C	27.00	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T4 & TSH combination Includes T4 and TSH; canine, feline For more information, see Appendix C	28.00	Endocrinology	M-F	1 day	1 - 2 mL serum	plastic or glass tube	Refrigerate
T4 (Thyroxine) - Immulite  For more information, see Appendix C	15.00	Endocrinology	M-F	1-3 days	1 mL serum or heparinized plasma	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack.
T4: Post TRH Test For more information, see Appendix C	10.50	Endocrinology	M-F	1-3 days	1 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T4T3 Immulite baseline	27.00	Endocrinology	M-F	1-3 days	serum or heparinized plasma	red top blood tube	Refrigerate
Testosterone baseline For more information, see Appendix C	19.00	Endocrinology	Monday	1-8 days	1 mL serum	plastic or glass tube	Refrigerate
Testosterone Post HCG/GnRH	13.00	Endocrinology	Monday	1-7 days	250 uL serum or plasma	plastic or glass	
Testosterone: HCG/GnRH Response	19.00	Endocrinology	Monday	1-7 days	250 uL serum or plasma	plastic or glass	

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Theiler's Disease Associated Virus PCR  Real time PCR to detect Theilers disease associated virus This test has not been fully validated and is in the development phase. For questions, contact Dr. Ed Dubovi at 607-253-3900. The TDAV PCR test is based on the most up to date scientific knowledge of nucleic acid sequences from currently circulating viruses. A lack of test sensitivity can be due to factors such as virus mutation, possible latent stage infection or early acute infections where the viral load is below the detectable limit of the test. Therefore, we recommend follow up testing in 2-3 months after the initial testing.	36.75	Virology	as needed	5-7 days	serum; whole blood; liver	blood tube or unbreakable, leak proof container	Refrigerate. ship for next day delivery in insulated container with freezer packs.
Thrombin Clotting Time (TCT)  Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	14.50	Comparative Coagulation	M-F	same day	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Thrombin-antithrombin Complex  Research and batch testing only. Testing not done on rabbits. Per test fee requires submission of 15 or more samples for batch analysis. Ship Overnight. For additional info on Submission Guidelines, or see Comp Coag web page;	52.50	Comparative Coagulation	1x/month	up to 1 month	citrate plasma	plastic tube in styrofoam box	dry ice
Thyroglobulin Autoantibody (TgA), Canine Canine For more information, see Appendix C	29.00	Endocrinology	Tu, Th	1-6 days	1 mL serum	plastic or glass tube	Refrigerate
Thyroid Panel, Canine: FT4(Immullite), T4,T3,TSH,TGA  Canine Thyroid Panel - includes Free T4,Total T4,Total T3,TSH,TGA For more information, see Appendix C or Canine Thyroid Testing	67.00	Endocrinology	M,T,W,Th,F	2-6 days	2.5 - 3 mL serum or heparinized plasma	plastic or glass tube	Refrigerate. Ship in insulated container with ice packs
Thyroid Panel, Canine: FT4d, T4, T3, TSH, TgA Canine Thyroid Panel For more information, see Appendix C or Canine Thyroid Testing	75.00	Endocrinology	M, W	2-6 days	2.5 - 3 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
Thyroid Panel, Feline: FT4d, T4, T3, TSH  For more information, see Appendix C	62.00	Endocrinology	M, W, Th	2-5 days	2 - 2.5 mL serum or heparinized plasma from a plain red top collection tube, with no additives and no serum separator tubes; should arrive separated and chilled	red top blood collection tube, plastic or polypropylene tube adequate for transport and frozen storage	Refrigerate
Thyroid Panel, OFA Canine Registry Certification Canine only; includes FT4d, TSH, TgA for certification. For OFA registry and certification: call lab for instructions.	66.00	Endocrinology	M, W, Th		2.5 mL serum from a plain red top tube only	plastic or glass tube	Refrigerate
Thyroid Panel: Free-T4 (Immullite), T4,T3  Includes Free T4, Total T4, Total T3 For more information, see Appendix C or Canine Thyroid Testing	43.00	Endocrinology	M,T,W,Th,F	1-2 business days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate. Ship in insulated container with ice packs
Thyroid Panel: FT4 by dialysis, T4, T3 For more information, see Appendix C	57.00	Endocrinology	M, Th	1-5 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
Thyroid Panel: FT4D, T4 T3 Immullite  This panel of tests was combined to provide Free T4 by dialysis, and T4 and T3 by immullite for equines, bovines, camelids. It can be used for felines. This thyroid panel is designed for use in horses, cows, camelids. It can also be used for cats.	57.00	Endocrinology	M, Th	1-5 days	2 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack
TLI (Trypsin-Like Immunoreactivity), Canine Canine only Avoid lipemia and hemolysis; see Appendix C	29.00	Endocrinology	Tu	1-8 days	1 - 1.5 mL serum	plastic or glass tube	Refrigerate

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Total Organic Matter  Total organic matter testing of sand bedding	12.00	Quality Milk Production Services	As needed	3 days	Sand bedding	Quart-size ziplock bag	Refrigerate
Total Protein Panel  Total Protein (TP), Albumin, Globulin For test interpretation, refer to eclinpath.com, Test reference ranges can be found at Clinpath Reference Intervals.	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Total Protein Plasma (by refractometer)  Estimate of plasma protein (including fibrinogen) in EDTA plasma. Measurement of the refractive index of a sample relative to the refractive index of water. Also known as "total solids," as it is affected by increases in solids other than protein including glucose, urea, sodium, chloride, and lipoproteins (chylomicrons and VLDL). Lipemia and hemolysis, but not icterus interfere with the test result. Do not allow coolant to come in contact with specimen; ship Overnight For test interpretation, refer to eclinpath.com Test reference ranges can be found at Clinpath Reference Intervals.	5.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (>1/2 full)	lavender top tube	Refrigerate
Total Protein, blood  Total protein in blood See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	13.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Total Protein-Creatinine Panel  Total Protein, Creatinine, P:C Ratio (Calc) for additional info on Clin Path panels	38.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	leak-proof container	Refrigerate. Ship overnight in insulated container with freezer packs.
Toxic Heavy Metal Panel  Quantitative analysis via ICP-OES for arsenic, cadmium, lead, thallium, mercury, and selenium. To add Copper, see Mineral Panel.	125.00	Molecular Diagnostics	As needed	3 - 5 days	1) Tissue (generally liver or kidney), refrigerated or frozen; 2) Feed; 3) 5 mL whole blood, refrigerated, do not allow to clot. Whole blood is required for Mercury analysis; submissions of plasma or serum will not be analyzed for Mercury. For best sample given clinical history, please contact the Lab.	1-2) sterile, leakproof container; 3) EDTA, heparin, or citrate tube(s)	Freeze
Toxoplasma gondii IgG ELISA  Detects anti-Toxoplasma IgG antibody The Toxoplasma gondii IgG ELISA tests serum for the presence of anti-Toxoplasma IgG antibody, indicating a history of exposure to the parasite. This test is valid to test serum from a broad range of animal species, except for birds, marsupials and cold-blooded animals. Results are reported as "positive", "negative" or "equivocal". Testing is repeated 2-3 weeks after the initial sample was tested to establish if an infection is acute or chronic, or to delineate the true status of an animal with a previously "equivocal" result. When a second sample is submitted, please provide the accession number from the first sample submitted, as both samples are needed for accurate paired testing. Fluids other than serum will not be evaluated. *May qualify for New York State contract pricing.	20.00 /sample price.	Parasitology	Wed	1-7 days	100 uL serum	red-top blood collection tube	Refrigerate
Toxoplasmosis FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fetal tissue: placenta and brain preferred; also lung, liver, kidney, skeletal muscle, spleen, lymph node; Non-fetal tissue including suspect affected tissue such as brain, liver, kidney, lung, skeletal muscle.	Leakproof, unbreakable plastic container or bag	Ship for next day delivery in insulated container with freezer pack(s)
Tracheal Wash Cytology  Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation With fluid samples of tracheal wash, please also submit 2-3 freshly prepared smears of the fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. It is important to rapidly air-dry any smears. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing	46.00	Clinical Pathology	M - F	1-2 days from time of receipt in the lab	1) Tracheal wash fluid in EDTA; 2) Smears (at least 2-3 unstained smears preferred); 3) Also submit a red-top tube if culture is anticipated.	1) Lavender-top tube; (+/- red-top tube); 2) Frosted-end slides	Refrigerate fluids only, DO NOT refrigerate smears

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Transition Cow Energy Panel  Includes BHB and NEFA Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	22.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or EDTA plasma	Red top (non-anticoagulant) or purple top (EDTA) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Transmissible Gastroenteritis (TGE) Virus FA  Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fresh Ileum, jejunum, cecum, lung	Sealable plastic bag or container	Ship in insulated container with ice pack
TRH Response: T4 T4 - pre TRH treatment For more information, see Appendix C	13.50	Endocrinology	M-F	1-3 days	1 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
Trichinella Tissue Examination Acid Pepsin digest	27.50	Parasitology	M-F	7 days	muscle tissue	wide mouth leak-proof	Refrigerate
Trichomonas Culture InPouch culture of preputial wash from bulls to detect organism Referred to Colorado State University for confirmation of suspects.	13.50	Parasitology	M-F	5-7 days	Inoculated InPouch	InPouch	Room Temperature
Trichomonas Fecal Examination  Trichomonas pouches are available from AHDC Shipping	25.00	Parasitology	M-F	12 days	fecal swab in trichomonas In-Pouch (see instructions with In-Pouch)	trichomonas In-Pouch	Do NOT Refrigerate
Triglycerides  See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	11.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate
TSH (Thyroid Stimulating Hormone) baseline Canine, feline For more information, see Appendix C	19.00	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Unstained Histology Slides Prepared  Slides or PCR tubes prepared from (FFPE) blocks. Unstained slides or PCR tubes containing 2-3 (10uM) unstained tissue sections prepared from anatomic pathology cases that have been or are in the process of being reported on. These unstained slides or PCR tubes are prepared for the purpose of sending to another testing facility for slide review or referral analysis. Additional charges may be applied for shipping and handling. Price is per slide or PCR tube prepared.	5.25	Anatomic Pathology	M-F	5 business days	Paraffin embedded tissue block		Room temperature
Urea Nitrogen  Test for blood urea nitrogen in serum, plasma or other fluid. See Test Info and Protocols for more information For test interpretation, refer to eclinpath.com Test reference ranges can be found at Clinpath Reference Intervals.	11.00	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
Urea Nitrogen, urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube	Refrigerate. Ship in insulated container with ice pack.
Ureaplasma Culture  For the culture of Ureaplasma species. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not applicable. Test is also part of the Reproductive Panel 4 and Respiratory Panel 6.	27.00 /sample	Bacteriology	M-F	5-10 days	1) Uterine, cervical or vaginal mucus; 2) Semen; 3) Tracheal washing or lung tissue; 4) Urine; 5) Aseptically collected swab of 1-4	1-4) Fluid or tissue in sealed sterile container; 5) Swab in Amies transport media WITHOUT charcoal	1-4) Refrigerate
Uric Acid  See Test Info and Protocols for more information.	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Uric Acid, urine  For test interpretation, refer to eclinpath.com	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube	Do NOT refrigerate. Send at room temperature in original container it was collected into.
Urinalysis, Routine  Color, turbidity, dipstick (pH, TP, glucose, ketones, bilirubin, blood), specific gravity, sediment exam For test interpretation, refer to eclinpath.com	25.00	Clinical Pathology	M-Sa	1-2 days	10 mL fresh urine	leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs.
Urinary Cortisol/Creatinine Ratio  Ratio of two tests: Urinary Cortisol and Urinary Creatinine. Owner: collect urine at home for best results; see Appendix C Two tests make up the Urinary Cortisol/Creatinine Ratio. The charged fee for the Urinary Cortisol/Creatinine Ratio (UCCR) is the cost of the Urinary Cortisol test (UCCR) plus the cost of the Creatinine for UCCR (UCCCREAT) test.	19.00 /sample for Cortisol testing. An additional \$19 will be added for Creatinine testing plus ratio calculation for a total charge of \$38/sample.	Endocrinology	M-F	1-3 days	1 - 2 mL urine	plastic or glass tube	Refrigerate
Urinary Creatinine for UCCR  Urinary Creatinine portion of Urinary Cortisol:Creatinine Ratio (UCCR). Performed by Clinical Pathology Laboratory Section Two tests make up the Urinary Cortisol/Creatinine Ratio. The charged fee for the Urinary Cortisol/Creatinine Ratio (UCCR) is the cost of the Urinary Cortisol test (UCCR) plus the cost of the Creatinine for UCCR (UCCCREAT) test. This Creatinine test cannot be ordered alone, but is used only in combination with the Cortisol test.	19.00 /sample for Creatine testing. An additional \$19 will be added for Cortisol testing plus ratio calculation for a total charge of \$38/sample.	Clinical Pathology		1 - 3 days	1 - 2 mL urine	Plastic of glass tube	Refrigerate
Urine Culture  For the isolation of aerobic bacteria from the urinary tract. *May qualify for New York State contract pricing. It is recommended to collect and submit urine collected by Cystocentesis. Please indicate method of collection. Antimicrobial susceptibilities are not included in the testing fee. Refer to Urine Antimicrobial susceptibilities. Urine Transport Tubes are available for purchase from our Supply Center. Performing cytology in conjunction with culture is also recommended to aid in interpretation of results.	20.00 /sample	Bacteriology	M-F	2-7 days	1) Urine; 2) Bladder tissue/stones; 3) Aseptically collected Swab of urine or bladder	1) Urine Transport Tube (preferred) or other sterile container; 2) Tissue or stones in separate sterile sealed containers; 3) Swab in Amies transport media or other suitable transport medium for aerobic culture	(1-3) Ship overnight in insulated container with ice packs to arrive no later than 48 hours post collection.
Vesicular Stomatitis Virus (VSV) IND SN  IND strain Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	10.00	Virology	M, W, F	2-4 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Vesicular Stomatitis Virus (VSV) NJ SN  NJ strain Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	10.00	Virology	2-4 days		1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.

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# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Virus FA  See also specific Viral FA tests Refer to individual FA tests	25.00 /animal	Virology	M-F	2-4 days	Tissues or fluids. Contact lab if there are questions about sample suitability.	Sealable plastic bag or container for tissues; Leakproof container for fluids and swabs in Viral Transport Medium	Ship in insulated container with ice pack
Virus Isolation  See also specific Virus Isolation tests or clinical presentation Best sample may depend upon suspected viral infection and pathophysiology related to viremia, infected tissue and viral shedding. Recent investigations indicate that urine is a good antemortem sample for detection of some viruses. There is generally a lack of information regarding viral detection in urine samples for many viral diseases. Please include urine if it is available when you are submitting other samples for virus isolation for our investigational use. No extra charges will be incurred. Refer also to individual Virus Isolation tests. Call lab ahead before sending reptile samples. Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, sooner if Positive	1) Tissue [target organs and blood-rich organs such as lymph nodes, spleen, lungs, kidney, heart, liver, brain] OR 2) Cerebrospinal fluid Or 3) EDTA whole blood OR 4) antemortem nasal swab AND 5) urine (see comment)	1) Tissue in leakproof unbreakable containers 2) sterile, leakproof container; 3) EDTA blood tube; 4) in sterile leakproof container with 2-3 drops sterile saline or in Virus isolation media (not bacterial transport media)	Ship in insulated container with freezer packs for next day delivery pack
Virus Isolation, BVD Semen  Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	60.00 /animal	Virology	Wednesday	21-30 days, sooner if Positive	Frozen semen		Dry ice or liquid Nitrogen
Virus Isolation, IBR Semen  Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	33.00 /animal	Virology	Wednesday	21-30 days, sooner if Positive			Dry ice or liquid Nitrogen
Virus Isolation, IBR/BVD Semen Panel  Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.	93.00 /animal	Virology	Wednesday	21-30 days, sooner if Positive			Dry ice or liquid Nitrogen
Virus PCR	36.75	Virology	As needed	2 - 5 days	Contact lab for specific virus test and sample type	leak proof container	Refrigerate
Vitamin A in serum  (High Performance Liquid Chromatography) Analysis for retinol (vitamin A) using HPLC. Separate serum and remove from clot immediately. Protect from light and keep cool.	30.00 each	Toxicology	Tu, Th	5 days	Serum, separated from clot.	Avoid preservatives such as Citrate or EDTA. No Gel Clot Vacutainer Tubes.	Refrigerate
Vitamin B12 & Folate combination  Avoid hemolysis and excessive exposure to direct light. For more information, see Appendix C	40.00	Endocrinology	Tu	1-8 days	1.5 - 2 mL serum; avoid EDTA plasma	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack.
Vitamin B12, Cobalamine  Vitamin B12 Avoid hemolysis and excessive exposure to direct light. For more information, see Appendix C	23.00	Endocrinology	Tu	1-8 days	1 mL serum; avoid EDTA	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Vitamin B12, Folate & TLI combination  Canine only Avoid lipemia, hemolysis, and excessive exposure to direct light. For more information, see Appendix C	65.00	Endocrinology	Tu	1-8 days	2 - 3 mL serum; avoid EDTA plasma	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack.
Vitamin E in serum  Quantitation of vitamin E (as alpha-tocopherol) by HPLC-FLD We strongly recommend that Vitamin E (serum) and Selenium (heparin or EDTA whole blood) be tested together. Vitamin E testing may be added on to samples already in the lab within 2 days of accessioning, if the original samples were drawn less than one week prior to the add-on request.	30.00 each	Toxicology	Mon, Th	2 - 5 days	Separate serum and remove from clot. Failure to remove serum from clot may lead to inaccurately low vitamin E levels. Protect from light, keep cool, and avoid hemolysis. Severely hemolyzed samples are unsuitable for analysis.	Avoid preservatives such as Citrate or EDTA. No Gel Clot Vacutainer Tubes (SST tubes).	Refrigerate
Vitamin K Deficiency Coag Panel  Incl. aPTT, PT, TCT, Factor VII:C to detect vitamin K-dependent coagulopathy including anticoagulant rodenticide toxicity. Panel for dogs and cats only, see Vitamin K Deficiency Coagulation Panel FAQs and Vitamin K Dependent Coagulopathy.	41.50	Comparative Coagulation	M - F	24 hours	2 mL citrated plasma	sodium citrate anticoagulant (blue top tube)	Freeze. Ship in insulated container with ice packs
von Willebrand factor - large animal/exotic  von Willebrand factor concentration, ELISA method Test offered for species other than dog and cat. For additional info go to Submission Guidelines, or see Comp Coag web page	48.50	Comparative Coagulation	1x/wk	14 days	1 mL citrate plasma (separated) EDTA plasma is acceptable	plastic or siliconized glass tube in styrofoam box	Cold pack or dry ice
von Willebrand factor (vWF:Ag)  von Willebrand factor concentration, ELISA method Ship Overnight by FedEx or UPS; for additional info on Submission Guidelines, or see Comp Coag web page	32.00 each	Comparative Coagulation	Mon, Wed, Fri	1-2 days	1 mL separated citrate plasma or EDTA plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
von Willebrand factor (vWF:Ag), litter  For testing of litters (see comment) Litter discount applies only for samples from entire litter submitted with the following information: pedigree, copy of dam and sire's previous results (or samples from dam and sire). Ship overnight. For additional info go to Submission Guidelines, or see Comp Coag web page	99.75 per litter	Comparative Coagulation	Mon, Wed, Fri	1-2 days	1 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
von Willebrand factor Collagen Binding Assay  Functional ELISA Ship Overnight; requires vWF:Ag on same sample; for additional info on Submission Guidelines, or see Comp Coag web page	43.00	Comparative Coagulation	bi-weekly	1-2 wks	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
West Nile Virus (WNV) IgM capture ELISA, canine  The WNV IgM Capture ELISA for the quantitative detection of IgM antibodies to West Nile virus (WNV) in dogs induced by acute viral infection. For Canine/Canidae only.	13.00	Serology	M, Th	3-4 business days	2mL serum	red top blood collection tube	Refrigerate. Ship overnight in insulated container with freezer packs
West Nile Virus (WNV) IgM Capture ELISA, Export The WNV IgM Capture ELISA for the quantitative detection of IgM antibodies to West Nile virus (WNV) in horses and dogs induced by acute viral infection. For Canine/Canidae and Equine/Equidae only. Please provide WNV vaccination history on submission form for maximum assistance with interpretation of results. This test should be used only to satisfy international animal movement/export testing requirements.	13.00	Serology	M, Th	3-4 days	2 mL serum	red top blood collection tube	Refrigerate
West Nile Virus (WNV) PCR  PCR Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. Whole blood is an acceptable sample only for Avian testing, not for Mammals For more information, refer to WNV Testing Strategy This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Virology	M-F	3-5 days	AVIAN: 1) Brain, heart, kidney, bone marrow; 2) EDTA Whole Blood; 3) Oropharyngeal or Cloacal swab; MAMMAL:4) CSF; 5) Brain or spinal cord. WHOLE BLOOD IS NOT AN ACCEPTABLE SPECIMEN FOR MAMMALS	1,5) Sealable plastic bags or containers; 3) Swabs in Virus transport medium; 2,4) Leakproof container	Freezer Packs

**Last Updated: 11/13/2018** \* Each accession received will be charged a \$5.00 accessioning fee, in addition to the requested testing. Fees are subject to change without notice, please call the lab if you have any questions. Contract pricing available. For information please refer to <https://ahdc.vet.cornell.edu/billing/contract.cfm>  
**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.



# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
West Nile Virus (WNV) SN  serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Acute and convalescent serum samples are recommended for optimal diagnostic test interpretation. Currently at the AHDC, this test is used primarily for mammalian species. For more information and titer graph, please see West Nile Virus Serum Neutralization Test Data	14.50	Virology	Thursday	7-14 days	1 ml of serum (preferred) or plasma	red top blood collection tube	It is recommended to ship samples with an ice pack.
West Nile Virus IgG/IgM Capture ELISA Combination Combination test for IgG and IgM. The combination of the two tests distinguishes antibodies induced by acute viral infection and/or vaccination. Horses or other equidae only. This combination of tests is recommended for acute or acute and convalescent testing of suspect WNV clinical horses. Please provide WNV vaccination history on submission form for maximum assistance with interpretation of results.	21.00	Serology	M, Th	4 days	2mL serum or CSF	red top serum tube	Refrigerate
West Nile Virus Plaque Reduction Serum Neutralization Test  plaque reduction SN test The WNV plaque reduction SN test has been the "gold standard" for determining Ab responses to viruses transmitted by mosquitos such as West Nile virus and St. Louis encephalitis virus. It is used when issues of cross-reaction with other viruses may be of concern. Currently at the AHDC, this test is used primarily for avian samples. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.	27.50	Virology	Thursday	7-14 days	1 mL serum (preferred) or plasma	sterile tube	It is recommended to ship samples with an ice pack.
Whirling Disease Plankton Centrifuge Method or Pepsin/Trypsin Digest Method; any positive sample requires a histological confirmation	349.75	Parasitology		14+ days	60 Salmonid fish heads	wide mouth leak-proof container	Refrigerate or freeze
White Blood Cell (WBC) Count, Total  Automated count of total leukocytes in blood. Mammals only. Do not allow coolant to come in contact with specimen; ship Overnight	7.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate purple top tube. Ship overnight in insulated container with freezer packs.
White Blood Cell (WBC) Panel  Automated WBC count, manual leukocyte differential, WBC morphology. Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Clin Path panels	16.50	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood > 1/2 full; 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate purple top tube. Ship overnight in insulated container with freezer packs. Keep slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
White Blood Cell (WBC) Panel, Non-Mammalian  WBC, manual leukocyte differential, WBC morphology. Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Hematology TestingFor instructions on making blood smears see <a href="https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear">https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</a>	20.00	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full)AND 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate fluids only; ship in insulated container with freezer pack for next day delivery. Hold smears at room temperature; protect from chilling/coolant by insulating separately during shipment.
White Blood Cell (WBC) Panel, Reptile  Automated WBC count, manual leukocyte differential, WBC morphology. Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Clin Path panels	16.50	Clinical Pathology			1) EDTA blood > 1/2 full; 2) 2 dry (unfixed, unstained) blood smears		
Whole Genome Sequencing of Bacterial Isolates  Bacterial isolates will be sequenced and submitted to NCBI SRA according to FDA/PulseNet procedures. Additional analyses may include serotype/pathotype prediction by 7-gene MLST, antimicrobial resistance gene profiling, and source tracking. An additional \$20 bacterial prep fee will be charged for each culture submission (this will not apply to pellet or DNA submissions). Please see VWGS for phage and viral submissions.	150.00	Molecular Diagnostics	Monthly	Variable	Slant or frozen glycerol stock.		Room Temperature

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**VSS-WEB-076-V01** \*\* "Lag Time" is counted in business days, unless otherwise specified, from the day the specimen arrives until the day the test result is reported, assuming there are no complications with testing.

# Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Whole Organs, Limbs, Special/Augmented Biopsies	56.00 in addition to base surgical biopsy (HISTO) charge	Anatomic Pathology	Mon - Fri	4-10 days	0.5 to 1.0 cm thick section of tissue fixed in 10% neutralized formalin, 10:1 formalin to tissue ratio.	Wide-mouth, leakproof, unbreakable jar; NOT GLASS	Store at room temperature. Do not freeze
<p>Intended for complex submissions of entire organs, lobes, systems, tumor beds, limbs, jaws, etc. This includes research/insurance/legal cases for which every single tissue submitted must be described histologically and the selection of the tissues is not at the discretion of the pathologist. It may also include complicated submissions of entire organs or tumor beds or lymphatic samples that need exact tracking of site of collection for multiple samples of the same tissue type. This may include a gross evaluation of fresh tissues. Use Histopathology Submission Form. Contact us at 607-253-3319 or pathologyservice@cornell.edu in advance with any questions concerning this type of submission.</p>							
Yersinia Culture	16.00 /sample	Bacteriology	M-Sa	2-7 days	1) Fresh feces or intestinal contents; 2) Ligated ileum or jejunum; 3) Mesenteric lymph node; 4) swab of 1-3	1)Feces in sealed sterile container or ParaPak; 2-3) Tissue in Separate sealed sterile containers; 4)Swab in Amies transport media or other suitable aerobic transport medium	1-3) Refrigerate EXCEPT ParaPak (keep at room temperature)
<p>For the isolation of Yersinia enterocolitica. Antimicrobial susceptibilities are not included in the testing fee.</p>							
Zinc, serum/plasma	30.00 /sample	Toxicology	M-F	2 days	1) Serum; 2) Plasma	Royal blue-top (trace mineral) tube strongly recommended. Red-top or other tubes may contain zinc and contaminate sample. No gel clot tubes.	1-2) Refrigerate. Ship in insulated container with ice pack.
<p>Quantitation of zinc levels. To discuss testing in small avians and exotics when sample size is limited, please contact Lab. Royal blue-top (trace mineral) tube strongly recommended.</p>							
Zonisamide	62.00 /sample	Clinical Pathology	M, W, F	1-2 days	2 mL of non-hemolyzed separated serum, EDTA plasma, or heparinized plasma	1) Red top tube, or 2) Lavender top tube, or 3) Green top tube. (No serum separator, e.g. Corvac tubes)	Refrigerate, ship on ice packs
<p>Used to manage zonisamide levels in treated animals. Based on data extrapolated from humans, the recommended therapeutic range for zonisamide is 10-40 ug/mL. Due to individual variability, positive responses may be observed with concentrations above or below this range and adverse reactions are not directly associated with serum or plasma levels. Testing of trough levels (i.e. pre-dosing) is recommended for therapeutic monitoring in animals.</p>							