

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Acid Fast Stain (for bacteria) 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
Acidic-Extracted Drugs 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, Oxyphenbutazone, Phenylbutazone, Nabumetone, Salicylic Acid, Sulfa Drugs (Sulfadiazine, Sulfadimethoxine, Sulfadimidine, Sulfafurazole, Sulfamerazine, Sulfamethoxazole, Sulfanilamide, Sulfapyridine, Sulfathiazole), Sulindac, Thiosalicylic Acid, Tolmetin, Zomepirac.	70.00 STAT+25	Toxicology	M-F	2 business 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)
ACTH baseline - canine 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.
Aerobic Bacterial Culture 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.	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.
Aerobic Culture & Sensitivity - CUHA	55.00	Bacteriology					
Alanine Aminotransferase (ALT) 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.
Albumin 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	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.
Alkaline Phosphatase (ALP) 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	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.
Ammonia 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 prior to drawing sample. See Eclinpath for more information	54.00	Clinical Pathology	M-F	1 day	Separated plasma from a purple top (EDTA) or green top (heparin) tube. See https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/ammonia.cfm 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.

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-079-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
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.
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							
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.</p> <p>Ship overnight. Antimicrobial susceptibilities are not applicable. Please consider using the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine diarrhea submissions.</p> <p>Tissues (>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</p> <p>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</p> <p>EDTA blood is the preferred sample from a sick animal.</p> <p>Ticks must first be submitted for parasite ID to determine if they are a vector species; see Parasite Identification test.</p>							
Anesthetic Screen	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.
<p>Qualitative screening for acepromazine, barbiturates, ketamine, morphine, xylazine, tiletamine/zolazepam.</p> <p>Special request only; contact Lab.</p>							
Anticoagulant Rodenticides	165.50	Toxicology	M-F, as needed	2-3 days for b	1) liver; 2) Whole blood - EDTA, heparinized OR citrated	1) unbreakable, leakproof sterile container for tissue 2) heparin, EDTA, or citrate blood tube	Refrigerate
<p>Quantitative analysis for anticoagulant rodenticides including Brodifacoum, Bromadiolone, Chlorophacinone, Diphacinone, Difethialone, and Warfarin.</p>							
Antimicrobial Susceptibility (MIC)	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.
<p>Includes systemic antimicrobials.</p> <p>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.</p> <p>*May qualify for New York State contract pricing .</p>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Antimicrobial Susceptibility, Ophthalmology 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.
Antimicrobial Susceptibility, Urine 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.
Anti-Mullerian hormone (AMH) ELISA 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.
Antinuclear Antibody (ANA) 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.
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 da	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 da	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.

Last Updated: 11/13/2018 VSS-WEB-079-V01 * 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
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.
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, Cimetidine (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>							
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.
<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>							
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.
<p>Bethesda units/mL: measure of factor inhibitory activity Ship Overnight. For additional info see Submission Guidelines or Comp Coag web page</p>							
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.
<p>See Eclinpath for more information</p>							
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.
<p>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 eclinpath.com. See Test Info and Protocols for more information</p>							
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.
<p>Post-Prandial Panel For test interpretation, refer to eclinpath.com See Test Info and Protocols for more information</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>
VSS-WEB-079-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
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.
<p>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 eclinpath.com See Test Info and Protocols for more information</p>							
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.
<p>Includes Total, direct, and indirect bilirubin. For test interpretation, refer to eclinpath.com See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals.</p>							
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
<p>Test reference ranges can be found at Clinpath Reference Intervals For test interpretation, refer to eclinpath.com</p>							
Blood Culture, Aerobic	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
<p>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.</p>							
Blood Culture, Anaerobic	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
<p>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.</p>							
Blood Smear Evaluation	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.
<p>Manual WBC differential, WBC morphology, RBC morphology, platelet estimate, parasite check Flags for Clinical Pathologist Review of CBCs</p>							

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	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.</p> <p>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 https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</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</p> <p>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 Metabolic Panel	30.50	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum	plain glass or plastic tube	Refrigerate
<p>BHBA, NEFA, UN, Albumin, AST, Cholesterol, Triglycerides</p> <p>Includes NEFA, BHBA, AST, ALB, and BUN; for additional info see Clin Path panels</p> <p>Test reference ranges can be found at Clinpath Reference Intervals.</p>							
Bromide	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.
<p>Test therapeutic bromide concentration</p>							
Bronchoalveolar Lavage Count Cytology (smear exam and count: 56.00)		Clinical Pathology	M - F	1-2 days	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.
<p>Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation, respiratory</p> <p>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</p>							
Bronchoalveolar Lavage Cytology (smear exam only)	48.00	Clinical Pathology	M - F	1-2 days	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</p> <p>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>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Brucella canis Culture <small>Canine only. For the isolation of Brucella canis only. 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. *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.</small>	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
Cadmium <small>(Atomic Absorption Spectroscopy - Graphite Furnace)</small>	35.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Calcium <small>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</small>	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
Calcium, urine <small>Measures total calcium levels in urine.</small>	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.
Campylobacter jejuni Culture <small>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.</small>	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
Canine Abortion/Fading Puppy Serology Diagnostic Plan <small>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.</small>	156.00 single sample	Multiple Sections			Maternal serum (separated).	red top collection tube	Ship chilled
Canine Adenovirus (CAV) FA <small>Fluorescent antibody</small>	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
Canine Adenovirus (CAV) Isolation <small>Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.</small>	70.00 /animal	Virology	M-F	21-30 days, s	1) Fresh liver, lung, kidney; 2) Urine	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
Canine Adenovirus PCR <small>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. 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.</small>	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

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-079-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
Canine Adenovirus-1 (CAV) (Inf Can Hep) 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	Th	5-9 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Canine Adenovirus-2 SN 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.	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.
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, s	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	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 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.

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 Bordetella 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.

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
<p>Canine 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. For species specific testing information please see Coronavirus PCR Guidelines. 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) tissue (min. 5 g); 2) ascites or body fluid (min. 2 mL); 3) feces (min 5 g)	unbreakable, leak-proof container	Refrigerate
<p>Canine Enteric Disease Virus Isolation</p> <p>Includes: CPV-2, CCV + 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, s	1) Ileum, jejunum, cecum; 2) Feces	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
<p>Canine Herpesvirus 1 PCR</p> <p>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	2 days	1) ocular or nasal swab; 2) tissue, min. 1-2 g (trachea, lung, brain, lymph nodes, kidney)	unbreakable, leak-proof container	Refrigerate
<p>Canine Herpesvirus FA</p> <p>Fluorescent antibody</p>	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
<p>Canine Herpesvirus Isolation</p> <p>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.</p>	70.00 /animal	Virology	M-F	21-30 days, s	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
<p>Canine Herpesvirus SN</p> <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. For more information and titer graph, please see Canine Herpesvirus Antibody Neutralization Test Data</p>	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.
<p>Canine Influenza Virus HI H3N8</p> <p>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.</p>	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.
<p>Canine Influenza Virus Matrix PCR</p> <p>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. 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. See Appendix I for service agreement statement</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 Min Sample Volume:	unbreakable, leak-proof container	Refrigerate
<p>Canine Leishmania Indirect Elisa</p> <p>The Canine Leishmania indirect ELISA detects antibodies to Leishmania</p>	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
<p>Canine Parainfluenza Virus PCR</p> <p>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. 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	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
<p>Canine Parainfluenza Virus SN</p> <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>	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.
<p>Canine Parainfluenzavirus (CPiV) FA</p> <p>Fluorescent antibody Nasal or pharyngeal swabs are only appropriate for virus isolation or PCR</p>	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
<p>Canine Parvovirus (CPV-2) ELISA</p> <p>Enzyme linked Immuo-assay for Canine Parvovirus-2 Swabs in bacterial transport medium are not appropriate ELISA testing.</p>	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
<p>Canine Parvovirus (CPV-2) FA</p> <p>Fluorescent antibody</p>	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
<p>Canine Parvovirus (CPV-2) HI</p> <p>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</p>	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.
<p>Canine Parvovirus (CPV-2) Isolation</p> <p>Virus Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing.</p>	70.00 /animal	Virology	M-F	21-30 days, s	1) Ileum, jejunum, tongue, heart; 2) 5cc feces	1) Sealable plastic bag or container; 2) Leakproof container	Ship in insulated container with ice pack
<p>Canine Parvovirus Genotyping</p> <p>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).</p>	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
<p>Canine Respiratory 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) Nasal swab, 2) Lung tissue	1) Red top tube; 2) unbreakable leak-proof container	Refrigerate
<p>Canine Respiratory Disease Virus Isolation</p> <p>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.</p>	70.00 /animal	Virology	M-F	21-30 days, s	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
Canine Respiratory Panel 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) 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.	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
Canine Scott Syndrome Mutation Detection Genetic Testing Genetic test to detect the genetic mutation associated with Canine Scott Syndrome hereditary disease of dogs.	91.50	Comparative Coagulation	Mon - Fri	2 weeks	2.0 mL EDTA blood	EDTA (purple top blood collection tube)	Do Not Freeze
Canine TEG 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.	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.
Canine TEG Bleeding 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.	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.
Canine Vaccine Panel 1 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.	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.
Canine Vaccine Panel 2 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.	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.
Canine Vaccine Panel 3 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.	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.
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	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.

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-079-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
Chlamydia psittaci PCR 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. 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.
Cholesterol 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	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.
Cholinesterase 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.	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
Clostridium chauvoei FA For the detection of Clostridium chauvoei 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 difficile Toxins (A/B) 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.	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.
Clostridium novyii FA For the detection of Clostridium novyii 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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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 septicum 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 septicum by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .</p>							
Clostridium sordellii 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 sordelli by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .</p>							
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 (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 (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 (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 (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 (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
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

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-079-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
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					
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.
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
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

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-079-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.

Page 14 of 47

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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
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
Cryptosporidium Spp real-time PCR 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.	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.
Cyanide 1-2) Refrigerate promptly; Cannot analyze in plasma or serum - Need whole blood. Do not use heparin separator tubes (gel tubes)	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 3-4) freeze samples promptly, keep samples cold in transit: special request only, contact Lab to make arrangements	Heparinized or EDTA tube; air-tight container	1-2) Refrigerate; 3-4) freeze
Cytology Smear Exam Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation	48.00	Clinical Pathology	M - F	1-2 days	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
D-dimer Quantitative Ship Overnight. Rodent assay fee is \$59.50. For additional info see Comp Coag web page	30.50	Comparative Coagulation	M-F	same day	separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
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) Must be submitted on Dermatohistopathology Submission Form.	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
DIC Panel, Small Animal Includes aPTT, PT, Fibrinogen, Antithrombin, D-dimer Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	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
Digital Copper Quantification 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.	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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Dilute Russell's Viper Venom Time Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	15.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
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
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.

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-079-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
Enteric Bacteriology Cultures, Panel 2	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.
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.							
Enteric Bacteriology Cultures, Panel 3	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.
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. **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.							
Environmental Samples (for parasites)	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.		
Please contact Lab: fee depends on parasite of interest, type of sample submitted, and processing required							
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 clot3-5) sterile, leak-proof container	1-5) Refrigerate w/ cool pack
Special request only, contact Lab							
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.
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. Samples from individual animals are preferred. For best results submit fresh/refrigerated samples within seven days of collection. 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.							
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
Modified Wisconsin double centrifugation concentration technique A discount is given to submissions with 6/+ fecal flotations. See Fecal Flotation test for more test details							
Fecal Wet Mount	5.50	Parasitology	M-F	1 day	10g fresh fecal sample	wide mouth leak-proof container	Do NOT Refrigerate
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							
Fibrin Degradation Product (FDP)	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
Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page							

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 VSS-WEB-079-V01 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
Fibrinogen Quantitative measure of clottable fibrinogen (Clauss method) Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	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
Fibrinogen (antigen) Fibrinogen concentration; ELISA method Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page	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
Field Necropsy Surcharge 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.	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
Fluphenazine (LC/MS) (Liquid Chromatography/Mass Spectrometry) Liquid Chromatography/Mass Spectrometry (LC/MS)	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
Folate, Folic Acid Avoid hemolysis and excessive exposure to direct light; see Appendix C	27.00	Endocrinology	Tu	1-8 days	1 mL serum; avoid EDTA plasma	plastic or glass tube	Refrigerate
Formalin-fixed tissue extraction surcharge (Molecular Diagnostics) Surcharge added to fixed tissues due to the extra labor and materials needed for the nucleic acid extraction procedure.	20.00	Molecular Diagnostics	M-F		Formalin-fixed tissues		Room temp
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 (Immullite) & 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 (Immullite), 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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Fungal Culture	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
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.							
Fungal ID	47.00 /isolate	Bacteriology	M-F	28+ days	Fungal isolate (pure culture)	Agar slant or plate (sealed)	Refrigerate
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.							
Fungal KOH Fluorescent Stain	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
For the direct microscopic examination for yeast and fungi. *May qualify for New York State contract pricing . Swabs are not acceptable							
Fungal Serology Panel	64.00	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube or sealed sterile container	1-2) Refrigerate
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).							
Fungal Serology: Aspergillus Antibody	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
For the detection of Aspergillus antibody in serum by AGID. Test is also part of the Fungal Serology Panel.							
Fungal Serology: Blastomyces Antibody	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
For the detection of Blastomyces antibody in serum by AGID. Test is also part of the Fungal Serology Panel.							
Fungal Serology: Coccidioides Antibody	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate
For the detection of Coccidioides antibody in serum by AGID. Test is also part of the Fungal Serology Panel.							
Fungal Serology: Cryptococcus Antigen	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
For the detection of antigen to Cryptococcus spp. in serum. Test is also part of the Fungal Serology Panel.							
Fungal Serology: Histoplasma Antibody	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate
For the detection of Histoplasma antibody in serum by AGID. Test is also part of the Fungal Serology Panel.							
Fungal Susceptibility	68.00 /isolate	Bacteriology	M-TW	6 days for pur	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
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.							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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
Glutamate Dehydrogenase, 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	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.
Gram Stain 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.	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
Hemoglobin (HGB) 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. Ship overnight in insulated container with freezer packs.
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.

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 <https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear>

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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>							
Hemophilia B Mutation Detection PCR (GWHP)	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
<p>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</p>							
Hemophilia Panel, Small Animal	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
<p>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</p>							
Hemostasis Panel, Small Animal	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
<p>Incl. aPTT, PT, TCT, vWF:Ag. See interpretation information Ship Overnight: for additional info on Submission Guidelines, or see Comp Coag web page</p>							
Heparin (Low Molecular Weight)	39.25	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
<p>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.</p>							
Heparin (Unfractionated)	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
<p>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.</p>							
Histopathology (Each additional site)	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	
<p>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.</p>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Histopathology (Surgical Biopsy 1-2 Sites)	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
<p>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.</p> <p>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:</p> <p>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)</p> <p>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)</p> <p>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)</p> <p>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)</p>							
Histopathology, Slide Review (1-2 slides)	55.00	Anatomic Pathology	M-F	3 days	1 to 2 Slides	Slide mailer	
<p>1-2 slides Contact Path Dept (607-253-3312)</p>							
Histopathology, Slide Review (3+ slides)		Anatomic Pathology	M-F	3 days	3 or more slides	Slide mailer	
<p>3 or more slides Contact Path Dept (607-253-3312)</p>							
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)	30.00	Clinical Pathology	1x/week	7 days	1 mL separated serum	plain glass or plastic tube	Refrigerate
<p>IgA by radial immunodiffusion (RID) Canine Only. For test interpretation, refer to eclinpath.com</p>							
Immunoglobulin G, Canine and Feline	30.00	Clinical Pathology	1x/week	7 days	1 mL separated serum	plain glass or plastic tube	Refrigerate
<p>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 eclinpath.com</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 VSS-WEB-079-V01 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
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
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. 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. 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 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
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
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

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-079-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
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 https://ahdc.vet.cornell.edu/sects/Paras/tests/knotts.cfm	16.50	Parasitology	M-F	1-3 days	1 mL EDTA or heparin whole blood	sterile blood tube	Refrigerate
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 https://www.fda.gov/MedicalDevices/Safety/alertsandNotices/ucm558733.htm	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
Leptospira MAT, 5 standard serovars For the detection of antibodies to <i>Leptospira interrogans</i> 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 <i>Leptospira MAT, 7 serovars</i> for additional serovar options that may be relevant. The first 5 serovars may qualify for New York State contract pricing Refer to <i>Leptospira Microagglutination Testing</i> 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 <i>Leptospira interrogans</i> serovars Pomona, Hardjo, Icterohemorrhagiae/copenhageni, Grippityphosa, Canicola, Autumnalis and Bratislava by serum microagglutination. This test adds <i>Leptospira interrogans</i> serovars Bratislava and Autumnalis to the <i>Leptospira MAT, standard 5 serovars</i> . 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 [<i>Leptospira Microagglutination Testing</i>]	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 <i>Leptospira</i> 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 <i>Listeria monocytogenes</i> 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) Encephalitic: 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

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-079-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
Liver Panel 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.	
<p>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.</p>							
Lyme Disease (Borrelia burgdorferi) PCR	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
<p>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</p>							
Lyme Disease, Canine Multiplex Assay	40.00 /sample	Serology	2-3 times/week	1-3 days	2 mL serum	red top blood collection tube	Refrigerate
<p>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.</p>							
Magnesium	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>							
Magnesium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate
Mass Spectrometry Screen	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.
<p>General screening for unknown toxins. Special Request Only. Please contact the lab at 607-253-3900 before submission.For additional guidance on Toxicology Submissions https://ahdc.vet.cornell.edu/docs/Toxicology_Submissions_and_Analytica_Screens.pdf</p>							
Mass Spectroscopy Confirmation	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
<p>Freezer pack whole blood; SPECIAL REQUEST - PLEASE CONTACT LAB.</p>							
Mercury	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
<p>(Flameless Atomic Absorption) Cannot analyze in plasma or serum - Need whole blood. Do not use heparin separator tubes (gel tubes).</p>							
Microscopic Feed Analysis	40.00 /hr	Toxicology	M-F	3 weeks	100g feed	any container	None
Mineral Panel (Tissue, Feed)	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
<p>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.</p>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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
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 WITHOUT charcoal or other suitable mycoplasma culture transport media	1-6) Refrigerate
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 culettes.	Refrigerate. Ship overnight to lab in insulated container with frozen ice packs.
Necropsy (0.25 - 15lbs) 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 pathologyservice@cornell.edu 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.	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		
Necropsy After Hours Fee 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.	50.00	Anatomic Pathology					

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-079-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, 101 to 500 lbs 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.	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		
Necropsy, 16 to 40 lbs 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.	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		
Necropsy, 41 to 100 lbs 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.	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		
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 Panda Please 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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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.
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 https://ahdc.vet.cornell.edu/sects/Paras/tests/knotts.cfm	17.00	Parasitology	Tu, F	1-7 days	1 mL serum or 1 mL EDTA or heparin plasma	sterile blood tube	Refrigerate
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
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
Parasite Identification Endo- and ecto- parasites All ticks submitted for PCR (<i>Lyme</i> , <i>Anaplasma</i> , <i>Ehrlichia</i>) 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; environmental 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	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.

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 VSS-WEB-079-V01 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
Peritoneal Fluid Cytology	50.00	Clinical Pathology	M - F	1-2 days	from 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
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							
PFA100 Closure Time	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
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.							
Phenobarbital	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
Phenobarbital is used for treatment for forms of epilepsy. This test measures the amount of phenobarbital in the sample							
Phosphate (Phosphorus)	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.
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							
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.
Plasminogen	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
Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page							
Platelet Aggregation	97.00	Comparative Coagulation	---	---	requires special arrangement with lab		
Combination of individual tests Special arrangement - contact laboratory to schedule testing							
Platelet Flow Cytometry-1	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
-once/week Cytometric screen of platelet function Pre-approval by direct phone consultation with the coagulation lab is required to coordinate sample submission							
Platelet Flow Cytometry-2	122.00	Comparative Coagulation		2 - 5 days	3.0 mL citrate blood or platelet concentrate	On-site collection (citrate blood)	Do Not Freeze
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							
Platelet Function	52.00	Comparative Coagulation		2-3 days	requires referral appointment		
Combination of individual tests Special arrangement - contact laboratory to schedule testing							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Pleural Fluid Cytology	50.00	Clinical Pathology	M - F	1 business day	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.
<p>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</p>							
Pneumovirus N RT-qPCR	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
<p>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. 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>							
Potassium	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
See Test Info and Protocols for more information							
Potassium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate
PreAnesthesia Panel, Small Animal	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
Includes Na, K, Cl, Bicarb, Anion gap, Creat, Ca, Glucose, ALT for additional info on Chemistry Panel Information							
Prekallikrein Screen	14.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Ship Overnight; requires aPTT on same sample; For additional info on Submission Guidelines, or see Comp Coag web page							
Pre-Purchase Drug Screen	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)
<p>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.</p>							
Primary Hyper-Parathyroidism (PHPT)	90.00	Molecular Diagnostics	M-F as needed	3 days	2 mL EDTA whole blood	Lavendar top blood tube	Refrigerate
Genetic Assay For test information, submission information and submission form, please see PHPT Testing							
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 baseline	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
Dogs and llamas tested daily M-F; other species, M, W, F. For more information, see Endocrinology Testing and Protocols							

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 VSS-WEB-079-V01 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
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
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, follow 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 eclinpath.com 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	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 Fe 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	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: 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	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)

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Alkaline Phosphatase Isoenzyme 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.	29.55 (+ referral fee; see comment)	Referral	M-F	5-7 business	1 mL serum	Red top blood tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
Ref: Allergy Testing, Can and Fel 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.	0.00 (+ referral fee; Referral see comment)						
Ref: Alpha 1 Proteinase Inhibitor 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.	0.00 (+ referral fee; Referral see comment)	Referral	Run Monday and Thursday, Extract Wednesday and Friday	7-10 business	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.
Ref: Amino Acids 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	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
Ref: Anti-Thyroid Antibody T4, T3 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.	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).
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: Babesia Gibsoni Giemsa Smr slides, Exp Evaluation of blood smears for hemoparasites/ hemotropic bacteria. Also known as Hemoparasite exam – Wright Giemsa Stain 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.	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	1 mL serum	Red Top blood tube	Refrigerate, ship in insulated container with freezer pack(s) for next day delivery

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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	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)
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 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 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: 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 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: 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.

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Cyclosporine Test to detect cyclosporin levels. 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.	66.00 (+ referral fee; see comment)	Referral	W, F	3-5 business	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: 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 colde 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	1 mL serum	red top blood collection tube; GLASS vial	Refrigerate. Ship in insulated container with ice pack.
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: 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 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: Equine encephalomyelitis PRNT Panel (EEE,WEE,VEE) 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. 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.	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
Ref: FISH Fluorescent In-Situ Hybridization Fluorescent 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).	175.00 + in-house referral fee. See comment	Referral	Tues or Wed	PLEASE SEE 5 unstained fixed tissue slides.		Slide Mailer;	Room Temperature
Ref: Glomerular Filtration Rate (Iohexol) 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	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

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 VSS-WEB-079-V01 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
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	0.5 mL Serum or Plasma	Red Top or Purple Top, SST	Refrigerate. Ship in insulated container with cold pack
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. Fasting is recommended, but not required. 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 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. https://onlinelibrary.wiley.com/doi/full/10.1111/evj.12790	84.00 (+ referral fee; see comment)	Referral	Tues, Thurs	3-4 business	1 mL serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack
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: 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 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	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: 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 Busine	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.

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Mycoplasma PCR	47.00	Referral	Wednesday	2 days; testec	EDTA Whole Blood, 2-3 ml	Purple Top Blood tube	Refrigerate. Ship in insulated container with freezer pack for next day delivery.
<p>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 haemolamiae, 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, an \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Pancreatic Lipase Immunoreactivity (PLI), IDEXX	72.00 (+ referral fee; see comment)	Referral		1-2 days	1 mL CLEAR serum	Insulated	Refrigerate
<p>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</p>							
Ref: Parathyroid Hormone	61.00 (+ referral fee; see comment)	Referral	M-F	2-6 Business	1 mL serum only	Red top blood collection tubetube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)
<p>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.</p>							
Ref: PARR (PCR for Antigen Receptor Rearrangements)	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
<p>(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</p>							
Ref: Platelet Surface Assoc. Ab	89.50 (+ referral fee; see comment)	Referral	M-F	~3-7 days	2 mL EDTA whole blood	Insulated	Refrigerate
<p>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</p>							
Ref: Quantitative Calculi/Urinary	38.00 (+ referral fee; see comment)	Referral	M-F	4-6 business	Stone	Baylor Stone Collection Cup	None
<p>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</p>							
Ref: Rabies Titer	85.00 (+ referral fee; see comment)	Referral	M, Th	23-30 Busine;	2 mL serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
<p>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.</p>							
Ref: RBC Surface Antibody	79.50 (+ referral fee; see comment)	Referral	M-Th	~2-3 days	2 - 3 mL EDTA whole blood	Insulated	Refrigerate
<p>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.</p>							
Ref: Relaxin	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.
<p>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.</p>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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	1 mL serum	Red top collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
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 D;	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)
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: 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	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	2 mL serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack
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	2 mL EDTA whole blood	EDTA blood Tube	Refrigerate, ship for next day delivery in 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: 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: 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	1 mL serum	Red Top blood tube, serum separator tube	Refrigerate, ship for next day delivery in insulated container with freezer pack(s)
Ref: Trypsin-like Immunoreactivity & Pancreatic Lipase Panel 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). 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.	66.00 (+ referral fee; see comment)	Referral	M-F	3-5 business	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)
Ref: Vitamin D Profile Assay for 25- Hydroxyvitamin D 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.	82.00 (+ referral fee; see comment)	Referral	Monday and Friday	2-8 business	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)
Ref: Vitamin D, 25-hyd 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.	60.00 (+ referral fee; see comment)	Referral	Monday and Friday	3-9 Business	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
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	2 mL serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s)

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 VSS-WEB-079-V01 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
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.
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 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.
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
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)
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

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-079-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
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
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	m 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.
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
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

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-079-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
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
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
Synovial Fluid Cytology	55.00	Clinical Pathology	M - F	1-2 days from	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
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	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	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
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	

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 VSS-WEB-079-V01 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
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, 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	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate. Ship in insulated container with ice packs
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
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 OvernightFor test interpretation, refer to eclinpath.comTest 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.

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 VSS-WEB-079-V01 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.

Page 42 of 47

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
<p>Toxoplasma gondii IgG ELISA</p> <p>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.</p>	20.00 /sample price.	Parasitology	Wed	1-7 days	100 uL serum	red-top blood collection tube	Refrigerate
<p>Toxoplasmosis FA</p> <p>Fluorescent antibody</p>	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)
<p>Tracheal Wash Cytology</p> <p>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</p>	46.00	Clinical Pathology	M - F	1-2 days from	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
<p>Trichinella Tissue Examination Acid Pepsin digest</p>	27.50	Parasitology	M-F	7 days	muscle tissue	wide mouth leak-proof	Refrigerate
<p>Trichomonas Fecal Examination</p> <p>Trichomonas pouches are available from AHDC Shipping</p>	25.00	Parasitology	M-F	12 days	fecal swab in trichomonas In-Pouch (see instructions with In-Pouch)	trichomonas In-Pouch	Do NOT Refrigerate
<p>Triglycerides</p> <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>	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
<p>TSH (Thyroid Stimulating Hormone) baseline Canine, feline For more information, see Appendix C</p>	19.00	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
<p>Unstained Histology Slides Prepared</p> <p>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.</p>	5.25	Anatomic Pathology	M-F	5 business days	Paraffin embedded tissue block		Room temperature
<p>Urea Nitrogen</p> <p>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.</p>	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.
<p>Urea Nitrogen, urine</p>	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.
<p>Ureaplasma Culture</p> <p>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.</p>	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
<p>Uric Acid, urine</p> <p>For test interpretation, refer to eclinpath.com</p>	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.

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-079-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
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.
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, s	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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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.
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 (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	2mL 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
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
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.
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.
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
Whole Organs, Limbs, Special/Augmented Biopsies 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.	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
Yersinia Culture For the isolation of Yersinia enterocolitica. Antimicrobial susceptibilities are not included in the testing fee.	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)

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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 packs 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>							