

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Acid Fast Stain (for bacteria)	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
For the direct microscopic detection of Mycobacterium species. *May qualify for New York State contract pricing							
Acidic-Extracted Drugs	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)
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, Nabumatone, Salicylic Acid, Sulfa Drugs (Sul diazine, Sulfadimethoxine, Sulfadimidine, Sulfafurazole, Sulfamerazine, Sulfamethoxazole, Sulfanilamide, Sulfapyridine, Sulfathiazole), Sulindac, Thiosalicylic Acid, Tolmetin, Zomepirac.							
Aerobic Bacterial Culture	40.00 /sample	Bacteriology	M-F	2-7 days	Affected tissue, lesion, fluid aspirate or swab in bacterial transport media	Amies transport media (swab) or sealed sterile container	Refrigerate. Ship in insulated container with ice pack.
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.							
Aerobic Culture & Sensitivity - CUHA	55.00	Bacteriology					
Alanine Aminotransferase (ALT)	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
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							
Albumin	8.50	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid; 3) 2 mL urine	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
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							
Alkaline Phosphatase (ALP)	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid;	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
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							
Ammonia	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.
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							
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							

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-082-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, urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer pack.
Anaerobic Bacterial Culture	45.00 /sample	Bacteriology	M-F	2-7 days	1) Fluid aspirate inoculated into anaerobic transport media vials for liquid specimens(Cary-Blair, e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM); 2) Fresh tissue (>2-3 cm in diameter, minimum size); 3) Ligated loop of intestine; 4) Swab or small tissue collected and immediately placed in anaerobic transport media tube for swabs(Cary-Blair, e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1,4) Anaerobic transport media (Cary-Blair, e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM): tube or vial form - see sample info above; 2-3) tissues (>2-3 cm in diameter, minimum size)(not swabs) in sealed sterile container	1) DO NOT Refrigerate anaerobic transport media tubes or vials; 2-3) Tissues (>2-3 cm in diameter, minimum size) are ideally held and shipped frozen with sufficient insulation and freezer packs to arrive next day and very cold; refrigerated temperatures are acceptable only for tissue samples delivered to the lab within 24 hours of collection.
<p>For the isolation of anaerobic bacteria. Ship overnight. Antimicrobial susceptibilities are not applicable. Please consider using the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine diarrhea submissions. Tissues (>2-3 cm in diameter, minimum size or ligated loops of bowel) are ideally held and shipped frozen with sufficient insulation and freezer packs to arrive next day and very cold; refrigerated temperatures are acceptable only for tissue samples delivered to the lab within 24 hours of collection. DO NOT Refrigerate anaerobic transport media tubes or vials Despite labeling to the contrary, culture systems containing Amies transport media or Stuart transport media are inappropriate as transport systems for anaerobic culturing. Swabs transported without any transport media are unsuitable for both aerobic and anaerobic culture.</p>							
Anaplasma phagocytophilum (Ehrlichia equi) PCR	36.75	Molecular Diagnostics	M-F as needed	2-3 days	1) EDTA blood, buffy coat (min. 2 mL); 2) tick: see comment; 3) tissue (min. 5 g)	unbreakable, leak-proof container	Refrigerate
<p>PCR to detect Anaplasma phagocytophilum EDTA blood is the preferred sample from a sick animal. Ticks must first be submitted for parasite ID to determine if they are a vector species; see Parasite Identification test.</p>							
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. Special request only; contact Lab.</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. 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. *May qualify for New York State contract pricing .</p>							
Antimicrobial Susceptibility, Ophthalmology	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.
<p>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</p>							
Antimicrobial Susceptibility, Urine	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.
<p>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.</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-082-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
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 days	1) whole blood; 2) urine; 3) water	1) Heparinized or EDTA tube; 2) urine in sterile container	1-2) Refrigerate. Ship in insulated container with ice pack.
Arsenic, tissue/feed Quantitative arsenic concentration in tissue or feed.	35.00 /sample	Toxicology	M-F	5 business days	1) tissue; 2) feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Aspartate Aminotransferase (AST) See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Aspartate Aminotransferase (AST), urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate. Ship in insulated container with ice pack.
Bacterial ID 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.	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.

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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 hirithi</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, Phentoiazine, 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.
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							
Bethesda Unit Assay	52.00	Comparative Coagulation	M	1 wk	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate. Ship in insulated container with ice pack.
Bethesda units/mL: measure of factor inhibitory activity Ship Overnight. For additional info see Submission Guidelines or Comp Coag web page							
Bicarbonate	9.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
See Eclinpath for more information							
Bile Acids, Fasting Panel	24.00 /sample	Clinical Pathology	M-Sa	1-2 days	1 - 2 mL separated serum, each sample	Red top (non-anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<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>							
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>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Bilirubin Panel (total, direct, indirect)	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
Includes Total, direct, and indirect bilirubin. For test interpretation, refer to eclinpath.com See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals.							
Bilirubin, Total	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid;	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Test reference ranges can be found at Clinpath Reference Intervals For test interpretation, refer to eclinpath.com							
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
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.							
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
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.							
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.
Manual WBC differential, WBC morphology, RBC morphology, platelet estimate, parasite check Flags for Clinical Pathologist Review of CBCs							
Bone Marrow Cytology	60.00	Clinical Pathology	M - F	1-2 days from 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.
Report includes – Specimen type and site (provided by submitter), Smear description (overall cellularity, assessment of all hematopoietic lineages, other cellular components and marrow iron by Prussian blue staining), Smear interpretation. Interpretation of bone marrow smears requires a recent CBC (within 24-48 hours). All bone marrow samples without a recent CBC should be accompanied by an EDTA blood sample with 2 blood smears and a CBC should be requested (use 'Other diagnostic tests requested' field to the right of the Clinical Summary field to request a CBC). Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing For test interpretation, refer to eclinpath.com For instructions on making blood smears see 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
Bordetella PCR This assay detects Bordetella DNA through DNA amplification Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	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.
Bovine Metabolic Panel BHBA, NEFA, UN, Albumin, AST, Cholesterol, Triglycerides Includes NEFA, BHBA, AST, ALB, and BUN; for additional info see Clin Path panels Test reference ranges can be found at Clinpath Reference Intervals.	30.50	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum	plain glass or plastic tube	Refrigerate
Bronchoalveolar Lavage Count Cytology (smear exam and count: 56.00 Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation, respiratory Please also submit 2-3 freshly prepared smears of the BAL fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing		Clinical Pathology	M - F	1-2 days from	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.
Bronchoalveolar Lavage Cytology (smear exam only) Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation With fluid samples of BAL, please also submit 2-3 freshly prepared smears and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing	48.00	Clinical Pathology	M - F	1-2 days from	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
Brucella Culture, non-canine For the isolation of Brucella species only. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not applicable. Refer to Brucella canis Culture for canine submissions.	25.00 /sample	Bacteriology	M-F	5-14 days	Affected tissue, lesion or fluid aspirate	Amies transport media (swab) or sealed sterile containers	Refrigerate. Ship in insulated container with ice pack.
Cadmium (Atomic Absorption Spectroscopy - Graphite Furnace)	35.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Calcium 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	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 Measures total calcium levels in 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.

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-082-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
Campylobacter jejuni Culture	25.00 /sample	Bacteriology	M-S	3-5 days	1) Fresh feces or intestinal contents; 2) ligated loop of intestine; 3) Placenta (preferred) or fetal liver for small ruminant and camelid abortion cases; 4) Swab of 1 or 2	1-3) Sealed sterile separate containers (sterile preferred); 4) Swab in Amies transport media (w/charcoal preferred)	1-2) Refrigerate
<p>For the isolation of Campylobacter jejuni. Test is also part of the Enteric Panel 2 and Enteric Panel 3. Antimicrobial susceptibilities are not applicable. Recent data has shown a dramatic shift among the species of Campylobacter involved in small ruminant and camelid abortion cases. Increases have been documented in the incidence of Campylobacter jejuni abortions with research showing that it has now replaced Campylobacter fetus subsp. fetus as the predominant cause of sheep abortions in the United States. We will continue to offer fluorescent antibody (FA) testing for Campylobacter fetus subsp. fetus, however the culture has been discontinued and replaced with Campylobacter jejuni culture.</p>							
Canine Parvovirus Genotyping	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>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>							
Cerebrospinal Fluid Cytology	58.00	Clinical Pathology	M - F	1-2 days	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.
<p>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</p>							
Chlamydia (Chlamydia) FA	25.00 /animal	Virology	M-F	2-4 days	1) Tissue: lung; conjunctival tissue or other suspect affected tissue; fetal tissue such as placenta (preferred), liver or spleen 2) Air-dried conjunctival smear; 3) Milk	1) leakproof, unbreakable plastic container or bag; 2) Slide mailer; 3) Leakproof container	1,3) Ship for next day delivery in insulated container with freezer pack(s) 2) No coolant
<p>Fluorescent antibody</p>							
Chlamydia CF	11.00 /sample	Virology	Once per week	5 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
<p>Complement Fixation Species tested: bovine, ovine, caprine and feline Note: This test has not been validated on feline species. Contact laboratory before submitting samples from any other species. Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.</p>							
Chlamydia psittaci PCR	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
<p>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</p>							
Chloride	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 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>							
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.

Animal Health Diagnostic Center Test and Fee Schedule

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

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-082-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 8 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Clostridium sordellii FA For the detection of Clostridium sordellii by fluorescent antibody stain. Ship overnight. *May qualify for New York State contract pricing .	14.00 /sample	Bacteriology	M-F	1-2 days	1) 2-inch cube of affected muscle; 2) Swab from affected lesions	1) Sealed sterile container; 2) Anaerobic transport media (BBL™ Port-a-cul™ or Anaerobic Systems ATM)	1) Refrigerate; 2) DO NOT refrigerate
Clotting Factor (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
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.

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-082-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 9 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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
Creatine kinase CK, CPK See Test Info and Protocols for more information Test reference ranges can be found at Clinpath Reference Intervals For test interpretation, refer to eclinpath.com	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid; 3) 2 mL urine	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Creatinine See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	11.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs
Creatinine, urine	19.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube or plastic leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs
Crossmatch Donor 1 Do not freeze	42.00 per donor	Clinical Pathology	M-F	same day	1) 1 to 3 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) lavender top tube AND 2) plastic tube	Refrigerate
Crossmatch, Feline Ship Overnight: no NOT freeze whole blood samples	34.75	Comparative Coagulation	M-F	same day	1) 2 mL EDTA whole blood AND 2) 2 mL separated serum (from each blood donor AND recipient)	1) lavender top tube AND 2) serum tube	Refrigerate/ship on cold pack
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

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-082-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 10 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Cytology Smear Exam	48.00	Clinical Pathology	M - F	1-2 days from	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
Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation							
D-dimer Quantitative	30.50	Comparative Coagulation	M-F	same day	separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Ship Overnight. Rodent assay fee is \$59.50. For additional info see Comp Coag web page							
Dermatology Biopsies (1-5 sites)	30.00 in addition to base surgical biopsy (HISTO) charge	Anatomic Pathology	M - F	4 - 10 days	0.5 to 1.0 cm thick section of tissue fixed in 10% neutralized formalin, 10:1 formalin to tissue ratio.	Wide-mouth, leakproof, unbreakable jar; NOT GLASS	room temperature; protect from freezing
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.							
DIC Panel, Small Animal	88.50	Comparative Coagulation	M-F	same day	2 mL separated citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Includes aPTT, PT, Fibrinogen, Antithrombin, D-dimer Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page							
Dilute Russell's Viper Venom Time	15.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page							
Direct Coombs	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.
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							
Drug Quantitation	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
Special request only, contact Lab							
Ehrlichia canis 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
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.							
Electrolytes Panel	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
Na, K, Cl Test reference ranges can be found at Clinpath Reference Intervals. For more information, see Chemistry Panel Information							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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.
Enteric Bacteriology Cultures, Panel 2 Includes aerobic culture [E. coli, Rhodococcus (foals only), Shigella (primates only)], Salmonella culture and Campylobacter jejuni culture. Antimicrobial Susceptibility (MIC) are not included in the testing fee. Susceptibilities not applicable to Campylobacter jejuni.	87.00 /sample	Bacteriology	M-Sa	3-7 days	1) Fresh feces or intestinal contents; 2) Ligated ileum or jejunum; 3) Mesenteric lymph node; 4) Swab of 1-3	1) Sealed, sterile container or ParaPak; 2-3) Sealed sterile container; 4) Swab in Amies transport media	1-3) Refrigerate. Ship in insulated container with ice pack. EXCEPT ParaPak, which is shipped at room temp and protected from temperature extremes.
Enteric Bacteriology Cultures, Panel 3 Includes aerobic culture [E. coli, Rhodococcus (foals only), Shigella (primates only)], Salmonella culture, Campylobacter jejuni culture, anaerobic culture [Clostridium perfringens (all species) and Clostridium difficile* (foals and primates only)] Antimicrobial Susceptibility (MIC) are not included in the testing fee. Susceptibilities are not applicable to Campylobacter jejuni and Clostridia species. *Culture for Clostridium difficile in other species available by request only. **Culture for Clostridium difficile in other species available by request only. **Anaerobic Transport medias (e.g. BBL™ Port-a-cul™ or Anaerobic Systems ATM) are suitable for most aerobic cultures, including for the aerobes of concern in enteric infections. Despite labelling to the contrary, culture systems containing Amies transport media or Stuart transport media are inappropriate as transport systems for anaerobic culturing. Swabs transported without any transport media are unsuitable for both aerobic and anaerobic culture.	132.00 /test	Bacteriology	M-Sa	3-7 days	1) Anaerobic transport media inoculated with swab of fresh feces or intestinal contents; or 2) Ligated ileum or jejunum; and/or 3) Mesenteric lymph node	1) Anaerobic transport media** (BBL™ Port-a-cul™ or Anaerobic Systems ATM); or 2-3) Sealed sterile container	1) DO NOT Refrigerate anaerobic transport media tubes or vials; 2-3) Tissues are ideally held and shipped frozen with sufficient insulation and freezer packs to arrive next day and very cold; refrigerated temperatures are acceptable only for tissue samples delivered to the lab within 24 hours of collection.
Environmental Samples (for parasites) Please contact Lab: fee depends on parasite of interest, type of sample submitted, and processing required	25.00 See comments for fee	Parasitology	M-F	1-7 days	Please contact Lab before submitting sample to determine if sample is appropriate for testing.		

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-082-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 12 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ethylene Glycol Special request only, contact Lab	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
Fecal Flotation 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.	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.
Fecal Flotation with Discount Modified Wisconsin double centrifugation concentration technique A discount is given to submissions with 6/+ fecal flotations. See Fecal Flotation test for more test details	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
Fecal Wet Mount Was previously called "Direct Fecal Smear" Exam for motile parasites. This test for Cornell CUHA only (must be read within 1 hr of fecal production by host). See Trich. Fecal Exam, Staining for Other Protozoa, or Giardia ELISA	5.50	Parasitology	M-F	1 day	10g fresh fecal sample	wide mouth leak-proof container	Do NOT Refrigerate
Feline Blood Typing Feline blood typing Ship Overnight: do NOT freeze whole blood samples	29.75	Comparative Coagulation	M-F	same day	1 to 3 mL EDTA whole blood	lavender top tube	Refrigerate/ship on cold pack
Feline Calicivirus (FCV) Isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, s	1) Nasal swab; pharyngeal swab; ocular swab; 2) Tracheal wash; broncho-alveolar lavage; 3) Upper airway tissue; lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Calicivirus (FCV) SN Serum neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	M	3-10 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Calicivirus FA (FCV) Fluorescent antibody	25.00	Virology	M - F	2 - 4 days		Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Coronavirus ELISA (FCOV) Feline Coronavirus ELISA (FCOV) detects antibodies to Coronavirus IgG in feline plasma or serum	22.00	Serology	2-3 days/week	2-3 days	1ml feline serum or plasma	red top blood collection tube	Refrigerate
Feline Enteric Coronavirus FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Tissues with defined lesions	Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Enteric Coronavirus/FIP PCR The alpha coronavirus PCR employed by the AHDC will detect feline enteric coronavirus, canine enteric coronavirus, ferret or mink coronavirus, and swine coronavirus - AKA transmissible gastroenteritis virus. The coronavirus associated with Feline Infectious Peritonitis is not distinguished from enteric coronavirus of cats. FIP cases would be expected to have virus in affected tissues and fluids. For species specific testing information please see Coronavirus PCR Guidelines. Preferred sample is feces swab in red top tube or intestinal tissue.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) EDTA blood or serum (min. 2 mL); 2) tissue (min. 5 g); 3) ascites or body fluid (min. 2 mL); 4) feces (min 5 g) Min Sample Volume:	unbreakable, leak-proof container	Refrigerate
Feline Heartworm Antibody Lateral Flow Immunoassay This test detects antibodies resulting from heartworm infections in cats that may include immature worms, adult male and female worms or single sex male or female infections. This test is validated for samples from domestic feline hosts only. An Occult Heartworm test that detects antigen produced by adult D. immitis can be performed at the same time using the sample submitted for the Antibody test at an additional charge.	15.00	Parasitology	Tuesday, Friday	1-3 days	0.5 mL Serum	Red top blood collection tube	Refrigerate

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-082-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
Feline Herpesvirus (FHV) (Rhinotracheitis) Isolation Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days	1) Nasal swab; pharyngeal swab; ocular swab; 2) Tracheal wash; broncho-alveolar lavage; 3) Upper airway tissue; lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Herpesvirus (FHV) (Rhinotracheitis) SN Serum Neutralization Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	M	3-10 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Herpesvirus (FHV) FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	1) lung; 2) air-dried ocular smear; 3) Fetal lung, liver, kidney, adrenal, spleen	1) Sealable plastic bag or container; 2) Slide mailer; 3) Sealable plastic bag or container	1, 3) ship in insulated container with ice pack 2) No coolant
Feline Immunodef Virus (FIV) ELISA The FIV ELISA detects antibodies to the Feline Immunodeficiency Virus (FIV). Felines with equivocal FIV ELISA results, except kittens, require Western Blot confirmation, as do all exotics. In these cases, FIVWB is added automatically unless the submitter specifies on the submission form not to run it. Note: The FIVWB cannot be ordered by itself, it must be accompanied with the FIV ELISA. If the FIVWB is requested, the FIV ELISA will be automatically added with its fee billed in addition to the FIVWB fee.	26.00 /animal	Serology	2x/wk	2-3 days	1 mL serum or plasma	red top or purple top blood collection tube	Refrigerate
Feline Immunodeficiency Virus (FIV) western blot The FIV Western blot detects the presence of antibodies to FIV in serum or plasma, primarily in samples having equivocal ELISA results. The FIV Western blot cannot be ordered by itself, see comment above. Felines with equivocal FIV ELISA results, except kittens, require Western Blot confirmation, as do all exotics regardless of ELISA result. In these cases, FIVWB is added automatically unless the submitter specifies on the submission form not to run it. Note: The FIVWB cannot be ordered by itself, it must be accompanied with the FIV ELISA. If the FIVWB is requested, the FIV ELISA will be automatically added with its fee billed in addition to the FIVWB fee.	38.00 /sample	Serology	2x/wk	4-5 days	2 mL serum	red top blood collection tube	Refrigerate
Feline Influenza Virus Isolation Virus isolation Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Influenza Virus Matrix PCR This PCR assay will detect most if not all influenza virus types currently circulating in most species, including 2009 H1N1. This assay does not specifically identify the influenza H and N types. That testing can potentially be requested on positive samples if unusual outbreaks or cross-species transmission is suspected. Submit swabs in sterile, sealed vials with several drops of saline added, to prevent desiccation. Bacterial transport media are not appropriate for PCR assays. If culture is desired, submit a separate swab in an acceptable bacterial transport media. Cotton, plastic, wood-handled, and Dacron and other synthetic swabs are all acceptable for PCR-based assays. Calcium alginate swabs should be avoided. This service is performed pursuant to an agreement with Roche Molecular Systems.	36.75	Molecular Diagnostics	M-F as needed	3-5 days	1) nasal swab; or 2) tissue (min. 5 g); or 3) allantoic fluid (min. 2 mL) or other culture	unbreakable, leak-proof container	Refrigerate
Feline Leukemia Virus (FeLV) ELISA The FELV ELISA detects FeLV group-specific antigens in the blood of infected cats.	19.00 /sample	Serology	M-F	2-3 days	Serum, plasma or whole blood	red top or purple top blood collection tubes	Refrigerate
Feline Parvovirus (Panleukopenia) FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Ileum, jejunum	Sealable plastic bag or container	Ship in insulated container with ice pack
Feline Parvovirus (Panleukopenia) Virus HI Hemagglutination Inhibition Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze. Paired serum samples are recommended for optimal diagnostic test interpretation.	16.50 /sample	Virology	Varies	2-4 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Feline Respiratory Disease Virus Isolation Includes: FHV, FCV, FePnV, FSV + Unknowns Swabs in bacterial transport medium (Ames, Port-a-cul, etc) are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	1) Swabs in Viral Transport Medium; 2) Leakproof container; 3) Sealable plastic bag or container	Ship in insulated container with ice pack

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Feline Respiratory Panel PCR	50.00	Molecular Diagnostics	M-F, as needed	2-3 days	1) Nasal swab, pharyngeal swab; 2) Tracheal wash, broncho-alveolar lavage; 3) Upper airway tissue, lung	Securely closed tube with viral transport media or a few drops of saline	Refrigerate. Ship to lab over night in insulated container with ice pack(s)
This panel has PCR assays to detect: Mycoplasma felis, Chlamydia species, Pneumovirus, Bordetella bronchiseptica, Influenza A virus, Mycoplasma cynos. To test for feline herpes virus and calicivirus, please request virus isolation. Testing for feline herpesvirus and feline calicivirus can be done by virus isolation. Please request VI in addition to the Feline Respiratory Panel PCR.							
Feline Syncytial Virus (FSV) SN	16.50	Virology	contact lab	4-11 days	1 mL serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
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.							
Feline Toxoplasmosis ELISA	20.00	Serology	2-3X/week	3 days	2 ml serum or plasma	Red top or purple top tube	Refrigerate
To detect Toxoplasma gondii IgG antibodies in feline/felidae serum or plasma.							
Feline Vaccine Panel 1	33.00 /sample	Virology	Varies	5 - 9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Includes Feline Herpesvirus (Rhinotr) SN and Feline Panleukopenia Virus HI Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.							
Feline Vaccine Panel 2	49.50 /sample	Virology	Varies	5 - 9 days	1 ml serum	red top blood collection tube	It is recommended to ship samples with an ice pack.
Includes Feline Herpesvirus (Rhinotr) SN and Feline Panleukopenia Virus HI and Feline Calicivirus SN Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.							
Feline Vaccine Panel 3	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.
Includes Panleukopenia HI and Calicivirus SN Serum samples are stable at room temperature for several days. If longer, refrigerate or freeze.							
Fibrinogen	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
Quantitative measure of clottable fibrinogen (Clauss method) Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page							
Fibrinogen (antigen)	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
Fibrinogen concentration; ELISA method Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page							
Field Necropsy Surcharge	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
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.							
Fluphenazine (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
(Liquid Chromatography/Mass Spectrometry) Liquid Chromatography/Mass Spectrometry (LC/MS)							
Folate, Folic Acid	27.00	Endocrinology	Tu	1-8 days	1 mL serum; avoid EDTA plasma	plastic or glass tube	Refrigerate
Avoid hemolysis and excessive exposure to direct light; see Appendix C							
Formalin-fixed tissue extraction surcharge (Molecular Diagnostics)	20.00	Molecular Diagnostics	M-F		Formalin-fixed tissues		Room temp
Surcharge added to fixed tissues due to the extra labor and materials needed for the nucleic acid extraction procedure.							
Free-T4 by dialysis & TSH combination	49.00	Endocrinology	M, Th	1-5 days	1 - 2 mL serum	plastic or glass tube	Refrigerate
Includes Free T4 by dialysis and TSH For more information, see Appendix C							

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-082-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
Free-T4 by dialysis baseline (FT4d) For more information, see Appendix C	42.00	Endocrinology	M, Th	1-5 days	1.5 mL serum	plastic or glass tube	Refrigerate
Fructosamine See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	36.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum	red top blood collection tube	Refrigerate. Ship overnight in insulated container with freezer packs
Fungal Culture For the isolation of yeasts, dermatophytes and other filamentous fungi. *May qualify for New York State contract pricing. **Swabs are not encouraged for tissues or body fluids. Keep tissues moist. Ship overnight. Antifungal susceptibilities are not included in the testing fee.	47.00 /sample	Bacteriology	M-F	28+ days	1)Nails, skin scrapings or 10-12 hairs from border of lesion; combings from asymptomatic cats (dermatophytes); 2)Fresh tissue or body fluids (systemic fungi/yeast); 3)Ear (yeast); 4) Swab of lesion, tissue, fluid or ear	1) DRY sterile sealed container (e.g. closed urine cup or envelope); 2) Fluid or tissue in Sterile, sealed container (e.g. red top blood collection tube); 4) Swab in Amies transport media**	1) Not required; 2) Refrigerate
Fungal ID For the identification of pure fungal isolates (filamentous fungi or yeast). Submissions accepted from Laboratories only. Ensure purity before shipment. Follow all biohazard shipping regulations. Provide animal history and suspected identification if possible. Antifungal susceptibilities are not included in the testing fee.	47.00 /isolate	Bacteriology	M-F	28+ days	Fungal isolate (pure culture)	Agar slant or plate (sealed)	Refrigerate
Fungal KOH Fluorescent Stain For the direct microscopic examination for yeast and fungi. *May qualify for New York State contract pricing . Swabs are not acceptable	12.00 /sample	Bacteriology	M-F	1-2 days	1)Nails, skin scrapings or 10-12 hairs from border of lesion; combings from asymptomatic cats (dermatophytes); 2)Fresh tissue or body fluids (systemic fungi/yeast); 3)Prepared slide	1) DRY sterile sealed container (e.g. closed urine cup or envelope); 2) Sterile sealed container (e.g. red top blood collection tube); 3) Slide mailer	1,3) Not Required; 2) Refrigerate
Fungal Serology Panel For the detection of antibody to Histoplasma, Blastomyces, Coccidioides and Aspergillus (AGID) and Cryptococcus antigen in serum. Tests can be requested individually. See Histoplasma AGID, Blastomyces AGID, Coccidioides AGID, Aspergillus AGID or Cryptococcus antigen. Cryptococcus antigen test can also be performed on cerebrospinal fluid (CSF).	64.00	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube or sealed sterile container	1-2) Refrigerate
Fungal Serology: Aspergillus Antibody For the detection of Aspergillus antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Fungal Serology: Blastomyces Antibody For the detection of Blastomyces antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Fungal Serology: Coccidioides Antibody For the detection of Coccidioides antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate
Fungal Serology: Cryptococcus Antigen For the detection of antigen to Cryptococcus spp. in serum. Test is also part of the Fungal Serology Panel.	22.00 /sample	Bacteriology	M-F	1 day	1) Serum; 2) Cerebrospinal fluid	1) Red top blood collection tube; 2) Sealed sterile container	1-2) Refrigerate
Fungal Serology: Histoplasma Antibody For the detection of Histoplasma antibody in serum by AGID. Test is also part of the Fungal Serology Panel.	16.00 /sample	Bacteriology	M, W, F	3-5 days	Serum	Red top blood collection tube	Refrigerate

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-082-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 16 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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
<p>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.</p>							
Gamma Glutamyl Transferase (GGT)	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.
<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>							
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	25.00	Parasitology	Mon, Thur	1-3 days	feces	wide mouth leak-proof	Refrigerate
<p>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.</p>							
Glucose	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.
<p>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.</p>							
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	8.50	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Gram Stain	8.50 /sample	Bacteriology	M-F	1-2 days	1) Affected tissue, lesion or fluid; 2) Prepared slide	1) Affected tissue, lesion or fluid in sealed sterile container; 2) Slide mailer	1) Refrigerate; 2) Not required
<p>For the direct microscopic examination for bacteria. *May qualify for New York State contract pricing. Please consider using the Foal Diarrhea/Septicemia Kit and Adult Equine Diarrhea Kit for equine submissions. Specific bacteria cannot be definitively identified by this test.</p>							
Hemoglobin (HGB)	7.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate. Ship overnight in insulated container with freezer packs.
<p>Do not allow coolant to come in contact with specimen; ship Overnight. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Hemogram (CBC), Automated (Mammalian)	18.50	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2) 2 dry (unfixed, unstained) blood smears	1) lavender top tube; 2) frosted-end slides	1) Refrigerate blood; ship in insulated container with freezer pack for next day delivery. Hold slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
<p>WBC, RBC, Hgb, HCT, MCV, MCH, MCHC, RDW, Plate Count, MPV, Automated Differential Cell Count Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional info on Clin Path panels Test reference ranges can be found at Clinpath Reference Intervals. For instructions on making blood smears see https://ahdc.vet.cornell.edu/Sects/ClinPath/sample/test/hema.cfm#Bloodsmear</p>							
Hemogram (CBC), Partial	11.50	Clinical Pathology	M-Sa	1-2 days	1) EDTA blood (> 1/2 full) AND 2 dry, unfixed, unstained blood smears	1) lavender top tube; 2) frosted-end slides	Refrigerate purple top tube. Ship overnight in insulated container with freezer packs. Keep slides at room temperature; protect from chilling/coolant by insulating separately during shipment.
<p>WBC, RBC, Hgb, Platelet Count, PCV, MPV, RDW, MCH, MCHC, MCV Do not allow coolant to come in contact with specimen or slides; ship overnight. For additional information see Hematology Testing. Test reference ranges can be found at Clinpath Reference Intervals.</p>							
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) Microscopic examination of formalin fixed, paraffin embedded tissue slides with hematoxylin and eosin staining. Additional special stains, including up to two immuno-histochemistry (IHC) stains, will be added if deemed necessary by the pathologist. Additional IHC stains may be requested for an additional fee. This 1-2 site fee is intended for surgical biopsies and is the baseline charge for the special biopsy categories below. Use Histology Submission Form. Surcharges for these will be added to the surgical biopsy fee based on the following criteria: Dermatology Biopsies (1-5 sites): Dermatohistopathology Submission Form Includes up to 5 sites or 5 skin punch biopsies processed for dermatohistopathology evaluation. Please identify multiple biopsies that need to be interpreted separately from each other (ex. submit in separate jars or mark with sutures in the same jar). Test codes HISTO + HISTODRM.(\$110) Liver Consult: Use Liver Submission Form via the Liver Portal. High quality specialized hepatopathology interpretation of liver biopsy specimens by Dr. Sean McDonough, a board certified veterinary pathologist with high level expertise in liver pathology. Test codes HISTO + AHISLP + LVRSM (\$230.50) Whole Organs, Limbs, Special/Augmented Biopsies: Use Histopathology Submission Form. Intended for complex submissions of entire organs, lobes, systems, tumor beds, limbs, jaws, etc. This includes research/insurance/legal cases for which every single tissue submitted must be described histologically and the selection of the tissues is not at the discretion of the pathologist. It may also include complicated submissions of entire organs or tumor beds or lymphatic samples that need exact tracking of site of collection for multiple samples of the same tissue type. This may include a gross evaluation of fresh tissues. Test codes HISTO + HISTOSPC (\$136.00) Field Necropsy Submissions: Use Histopathology Submission Form. Veterinarian performed necropsies. For animals necropsied it is always recommended to submit a complete set of tissues representing major organ systems and any sites potentially involved based upon clinical history, ante-mortem testing, or post-mortem gross lesions. Tissues will be selected for histopathological examination based upon the clinical history and gross description provided, at the discretion of the pathologist. A clinical history for the individual animal and potentially also for the herd or population from which the animal originates is very important. Also indicate if the animal was euthanized. May qualify for New York State Contract Pricing.(\$136.00)	80.00 for 1-2 sites; Additional charges apply for submissions including more than 2 sites, specialty services such as dermatology or hepatopathology consults (liver consults), complex submissions, or field necropsies as described below. STAT not available on all submissions. Please contact in advance for availability at 607-253-3319 or pathologyservice@cornell.edu.	Anatomic Pathology	M-F	4-10 days	0.5 to 1.0 cm thick section of tissue fixed in 10% neutralized formalin, 10:1 formalin to tissue ratio.	Wide-mouth, leakproof, unbreakable jar; NOT GLASS	room temperature; protect from freezing
Histopathology, Slide Review (1-2 slides) 1-2 slides Contact Path Dept (607-253-3312)	55.00	Anatomic Pathology	M-F	3 days	1 to 2 Slides	Slide mailer	
Histopathology, Slide Review (3+ slides) 3 or more slides Contact Path Dept (607-253-3312)		Anatomic Pathology	M-F	3 days	3 or more slides	Slide mailer	
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 G, Canine and Feline IgG by radial immunodiffusion (RID). Dog and cat only (note, bovine and camelid IgG is now measured using a different method; see specific IgG measurement for those species). 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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Influenza Virus Matrix PCR	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
<p>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.</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.</p> <p>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.</p> <p>*May qualify for New York State contract pricing.</p> <p>This service is performed pursuant to an agreement with Roche Molecular Systems.</p>							
Insulin baseline - not equine	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
<p>Avoid hemolysis and lipemia. For more information, see Appendix C</p>							
Investigational sequencing	100.00	Contact lab Molecular Diagnostics	varies	~ 1 month	CSF, brain tissue (fresh or frozen), or EDTA blood preferred	sterile sealed container	Refrigerate
<p>Pathogen identification, characterization, and/or discovery by unbiased or semi-targeted NGS will be attempted.</p>							
Ionized Calcium	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.
<p>Test run on serum only Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com</p>							
Ionophore Quantitation	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
<p>Quantitation of monensin and/or lasalocid. Liquid Chromatography/Mass Spectrometry (LC/MS)</p>							
Iron	8.50 /sample	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma;	plain glass or plastic tube	Refrigerate
<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>							
Iron Panel	20.00	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	plain glass or plastic tube	Refrigerate
<p>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</p>							
Kaolin Clotting Time (KCT)	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
<p>Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>							
Knott's Heartworm	16.50	Parasitology	M-F	1-3 days	1 mL EDTA or heparin whole blood	sterile blood tube	Refrigerate
<p>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</p>							

Animal Health Diagnostic Center Test and Fee Schedule

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

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-082-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 21 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Magnesium See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Magnesium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate
Mass Spectrometry Screen General screening for unknown toxins. Special Request Only. Please contact the lab at 607-253-3900 before submission. For additional guidance on Toxicology Submissions https://ahdc.vet.cornell.edu/docs/Toxicology_Submissions_and_Analytica_Screens.pdf	331.00 per sample	Toxicology	As needed	7 - 10 days	Contact Lab to discuss available and appropriate samples and case history. If unable to consult with lab, always collect the following minimum sample set: Live animals- heparinized whole blood, urine, vomitus, and feces. Post-mortem sample collection should include the following fresh samples: Heart blood (clot tube, heparinized tube and EDTA tube), urine, liver, kidney, fat, stomach contents, colon contents, brain and eyeball or aqueous humor. Always collect suspect items such as food, water, paint chips, new products, etc. In addition to fresh tissues and specimens, collection of a comprehensive set of fixed tissues for histopathology is recommended whenever toxicosis is suspected.	Heparinized blood tube; leakproof, individual sterile, clean, pesticide-free containers for all tissue, GI contents. Place suspect feed, water, products in individual leakproof containers (e.g. zipperlock bags)	Freeze tissue, stomach/rumen contents, plasma, urine, serum, food or feed. Refrigerate whole blood or plant material.
Mass Spectroscopy Confirmation Freezer pack whole blood: SPECIAL REQUEST - PLEASE CONTACT LAB.	165.50 /sample	Toxicology	M-F	5 days	1) 10 mL heparin whole blood; 2) 20 - 50 mL urine; 3) tissue; 4) plant materials; 5) stomach contents	1) Heparinized tube; 2-5) sterile, clean, pesticide-free container	1-2) Refrigerate w/ cool pack; 3-5) freeze tissue
Mercury (Flameless Atomic Absorption) Cannot analyze in plasma or serum - Need whole blood. Do not use heparin separator tubes (gel tubes).	55.00	Toxicology	M-F	3 days	1) 2g tissue; 2) 100g feed; 3) 2 mL heparin whole blood	1) sterile container; 2) any container; 3) Heparinized or EDTA tube	1, 3) Refrigerate; 2) none
Microscopic Feed Analysis	40.00 /hr	Toxicology	M-F	3 weeks	100g feed	any container	None
Mineral Panel (Tissue, Feed) Full screen includes Ca, P, Mg, Na, K, Cu, Fe, Mn, Zn, and Mo analyzed by ICP-AES. For biopsy samples and other submissions <0.500 g, only Cu, Fe, Zn, and Mo will be provided due to limitations of small sample size. See Description and Minimum Sample Volume for special note on biopsy or other very small samples.	47.00	Toxicology	1x/wk	3-7 days	1) Tissue; 2) Feed. Do not submit serum or plasma.	1) sterile container; 2) any container	1) Refrigerate; 2) none
Mineral Panel, urine Urine mineral panel includes Magnesium, Phosphorous, Creatinine and Calcium For additional info on Clin Path panels	33.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	Red top (non-anticoagulant) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Mineral/Electrolytes Panel Na, K, Cl, Bicarb, Anion Gap, Ca, P, Mg For additional info on Clin Path panels Test reference ranges can be found at Clinpath Reference Intervals.	21.00	Clinical Pathology	M-Sa	1-2 days	1.5 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Mineral/Electrolytes Panel, urine Na, K, Cl, Ca, P, Mg For additional info on Clin Path panels	39.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	plain glass or plastic tube	Refrigerate

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-082-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 22 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Mycoplasma Culture	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
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.							
Mycoplasma felis PCR	36.75	Molecular Diagnostics	M-F	3 -5 days	1. Nasal swab OR 2. tracheal wash, broncho-alveolar lavage 3. Respiratory tissue or conjunctiva 4. Ocular swab	Securely closed sterile sealed tube with viral transport media or a few drops of saline. Do not use bacterial transport media culturettes.	Refrigerate. Ship over night to lab in insulated container with frozen ice packs.
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.							
Necropsy (0.25 - 15lbs)	125.00 in state; \$200 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
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.							
Necropsy After Hours Fee	50.00	Anatomic Pathology					
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.							
Necropsy, 16 to 40 lbs	260.00 in state; \$350 out of state. Additional STAT fee may apply. Contact lab for more information	Anatomic Pathology	M-F	2-12 days	carcass		
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.							
Nematode Larval Culture	55.00	Parasitology	M-F	14+ days	15g fresh fecal sample	wide mouth leak-proof	Do not refrigerate sample
Requires 14-day lag time from submission; Fecal Quantitative test done first to determine need							
Nitrate/Nitrite, liquids/fluids	24.00 /sample	Toxicology	M-F	2 days	1) water; 2) serum; or 3) transfer heparin or EDTA plasma to a red top tube 4) Aqueous humor*	1) sterile leak-proof container; 2-4) red top blood collection tube (no gel separator tubes, please; aspirate aqueous humor from eyes and transfer to a blood collection tube or transport tube, please)	1-4) Refrigerate w/ cool pack
Nitrate/Nitrite, solids	33.00 /sample	Toxicology	M-F	2 days	1) stomach or rumen contents; 2) feeds	1) sterile leak-proof container; 2) leak-proof zip-lock bag	1-2) Freeze
Non-Esterified Fatty Acid (NEFA)	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.
NEFA Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com							

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-082-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 23 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Occult Blood (Coprology) Do not allow coolant to come in contact with specimen; ship Overnight	16.00	Clinical Pathology	M-Sa	1-3 days	feces	sterile container	Refrigerate
Occult Heartworm The Synbiotics DiroCHEK heartworm test is an indirect enzyme-linked immunosorbent assay (ELISA) used for the detection of adult female <i>Dirofilaria immitis</i> antigen in canine and feline serum or plasma. This test is validated for use in domestic or wild dogs and cats only. Other animals may be tested by this method, but reactivity in other species is not clearly defined. This test method can be used to detect <i>Dirofilaria immitis</i> five to six months after infection in dogs, and seven to eight months after infection in cats. Because of the nature of this disease in cats, veterinarians may want to consider including feline heartworm antibody testing for a more accurate assessment of a cat's true infection status. If a Knott's heartworm test (microfilarial detection) is also desired, EDTA or heparin whole blood (1.0 mL) is needed. Please clearly indicate each test as unique test requests. For information regarding interpretation of test results, please see 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.
Peritoneal Fluid Cytology Report includes - Specimen type and site (provided by submitter), Volume, Color, Turbidity, Total Protein, Nucleated cell count, RBC count, Smear type, Smear description, Smear Interpretation With peritoneal fluid samples, please also submit 2-3 freshly prepared smears of the fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For test interpretation, refer to eclinpath.com . For additional information see Cytology Testing	50.00	Clinical Pathology	M - F	1-2 days from	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

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-082-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
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.
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 -once/week	2 - 5 days	1.5 mL EDTA blood, Citrate blood	EDTA or citrate collection tube	Do Not Freeze
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							
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.
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							
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
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.							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Potassium See Test Info and Protocols for more information	8.50 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	plain glass or plastic tube	Refrigerate
Potassium, urine	17.00	Clinical Pathology	M-Sa	1-2 days	1 mL urine	plain glass or plastic tube	Refrigerate
PreAnesthesia Panel, Small Animal Includes Na, K, Cl, Bicarb, Anion gap, Creat, Ca, Glucose, ALT for additional info on Chemistry Panel Information	29.00 per sample	Clinical Pathology	M-Sa	1-2 days	2 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate
Prekallikrein Screen Ship Overnight; requires aPTT on same sample; For additional info on Submission Guidelines, or see Comp Coag web page	14.50	Comparative Coagulation	M-F	same day	citrate plasma	plastic or siliconized glass tube in styrofoam box	Refrigerate/ship on cold pack
Progesterone - RIA - Feline THIS TEST CODE FOR INTERNAL USE ONLY.	14.50	Endocrinology	M, W, F	1-3 days	200 uL serum or plasma	Red top or purple top blood collection tube	Refrigerate. Ship in insulated container with ice pack.
Progesterone baseline Dogs and llamas tested daily M-F; other species, M, W, F. For more information, see Endocrinology Testing and Protocols	14.50	Endocrinology	see comment	1-3 days	1 - 1.5 mL serum; separated within 2 hrs after blood collection; avoid SST tubes	plastic or glass tube	Refrigerate
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)

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-082-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 26 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Adrenal Androgen Panel (Sex Hormone Panel) Canine or Fe	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)
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							
Ref: Aldosterone	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)
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.							
Ref: Allergy Testing, Can and Fel	0.00 (+ referral fee; Referral see comment)						
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.							
Ref: Amino Acids	168.00 (+ referral fee; see comment)	Referral	W	7-12 days	2 mL Heparinized PLasma or 2mL Urine	Insulated container, If glass tube is used, protect from breakage with secondary container or wrap.	Dry ice
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							
Ref: Aspergillus Panel	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.
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							
Ref: Babesia Gibsoni Giemsa Smr slides, Exp	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.
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.							
Ref: Babesia PCR	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.
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.							
Ref: Bartonella Panel IFA	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)
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.							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Bartonella PCR	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)
<p>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.</p> <p>Sample required is EDTA whole blood.</p> <p>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.</p>							
Ref: Botulism	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)
<p>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</p> <p>?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.</p>							
Ref: Cholinesterase(brain)	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.
<p>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</p> <p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Cyclosporine	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)
<p>Test to detect cyclosporin levels.</p> <p>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.</p>							
Ref: Digoxin	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.
<p>Checking Digoxin levels in the blood</p> <p>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.</p>							
Ref: Electron Microscopy	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
<p>?Please provide history?</p> <p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab</p>							
Ref: Equine encephalomyelitis PRNT Panel (EEE,WEE,VEE)	46.00 (+ referral fees; see comment)	Referral	Tuesday	3 - 5 days	2 ml Serum	Red top blood collection tube	Refrigerate. Ship overnight in insulated container with ice packs
<p>This is a virus plaque reduction neutralization test for Eastern (EEE), Western (WEE) and Venezuelan (VEE) equine encephalitis viruses. This test detects antibodies produced either by natural exposure to the viruses or vaccination. These tests are currently only available as this panel.</p> <p>None of these tests can be ordered individually.</p> <p>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.</p> <p>Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.</p> <p>Referral Lab needs sample on Monday for Tuesday test run.</p> <p>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.</p>							

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Feline Calicivirus PCR The Test Target for this Polymerase chain reaction (PCR) assay is the Feline Calicivirus viral RNA, ORF1 Gene This test can be performed on Feline samples only. Submit fresh swabs - do not hold longer than 3 days. Send via overnight courier. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	69.60 (+ referral fee; see comment)	Referral	Mon - Fri	3 business days	Nasal swab, oropharyngeal swab, nasal biopsy, or lung tissue	Synthetic swab (no cotton tipped swabs) snapped off into a red top tube. Avoid swabs with wooden applicators. Swabs from culturettes are acceptable, but please snap swab off into an empty red top tube. Do not put swab back in transport media/gel. No culture media, viral transport media, or saline solution is necessary.	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
Ref: Feline Herpes PCR The Test Target is the Viral RNA, GB gene. This test can be performed on Feline samples only. Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab.	50.00 (+ referral fee; see comment)	Referral	Mon - Fri	3 business days	Nasal swab, pharyngeal swab, oral swab, or ocular (cornea) swab	synthetic swab (no cotton tipped swabs) snapped off into a red top tube. Avoid swabs with wooden applicators. Swabs from culturettes are acceptable, but please snap swab off into an empty red top tube. Also, avoid putting swab back into media/gel. No culture media, viral transport media, or saline solution is necessary.	Refrigerate; ship for next day delivery in insulated container with freezer pack(s)
Ref: Feline Infectious Peritonitis mRNA Do not freeze! Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	96.00 (+ referral fee; see comment)	Referral	M-F	1 day	2 mL fluid (ascitic, pleural effusions) or EDTA whole blood		None
Ref: Feline Upper Respiratory Disease Panel PCR Includes Chlamydia felis, Feline Calicivirus, Feline Herpesvirus, Bordetella bronchiseptica, Mycoplasma felis. Do not submit swabs in bacterial transport media. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	78.00 (+ referral fee; see comment)	Referral	M-F	3 days	Deep Pharyngeal swab and Conjunctival swab – plastic-stemmed swabs;no transport media	Red top tube	Refrigerate
Ref: FISH Fluorescent In-Situ Hybridization Flourescent probe binds to bacterial ribosomes in tissue. Detected with fluorescent microscope. This test can be performed on all species. A \$15 handling fee will be added to each sample, so the total price for a single tissue is \$190. Additional tissues will be billed at \$50 for each additional tissue. Additional probes will be billed at \$50.00 for each additional probe. For specific information regarding samples, instructions and forms, please see FISH Fluorescent In-Situ Hybridization. Research questions should be directed directly to Simpson Laboratory (607-253-3567).	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
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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: Kepra/Levetiracetam	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
<p>Checking Kepra 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 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</p>							
Ref: Leishmania PCR	60.00 (+ referral fee; see comment)	Referral	M-F	5-7 days	2 mL EDTA whole blood	Insulated	Refrigerate or ship on cold pack
<p>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</p>							
Ref: Malignancy Profile	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.
<p>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</p>							
Ref: Mycobacterial Culture (Acid Fast TB)	58.00 (+ referral fee; see comment)	Referral	M-F	30-120 days	Tissue	Mycobacterium box	Ambient
<p>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.</p>							
Ref: Mycobacterial PCR	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
<p>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.</p>							
Ref: Mycobacterium Culture ID	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.
<p>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</p>							
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 haemolamae, Mycoplasma wenyonii, Mycoplasma ovis, etc. Many of these bacteria have been renamed as Mycoplasma from previous genus designations such as Haemobartonella or Eperythrozoon. Referral test fee is set by the referring lab and may change without notice; also, a 30.00 handling fee is added for each accession sent to each referring lab</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>							

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-082-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 30 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Ref: PARR (PCR for Antigen Receptor Rearrangements) (PARR) PCR for Antigen Receptor Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	138.00 (+ referral fee; see comment)	Referral	Canine - Tues & Thurs; Feline - Wed	5-7 days	Lymph node aspirate Slides, EDTA Blood, Bone marrow aspirate Slides. EDTA, Aspirate Slides, Fluid Slides or fluid, CSF Slides or fluid, Formalin fixed sample(at an additional cost)		Refrigerate and ship on cold pack
Ref: Quantitative Calculi/Urinary This test provides an analysis of the crystalline composition of the urolith(urinary stone) Send via overnight courier Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	38.00 (+ referral fee; see comment)	Referral	M-F	4-6 business	Stone	Baylor Stone Collection Cup	None
Ref: Rabies Titer This test is not used for export testing. This test provides an endpoint titer. Please see comment above regarding export testing. This test can be performed on all species. Send via overnight courier. Can use heat inactivated serum, must be noted on the form. Cannot use plasma. Sample needs at least 500ul for one run. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab. The AHDC does not refer Rabies titers for export testing due to requirements of the testing lab. Please contact Kansas State Veterinary Diagnostic Lab directly at 785-532-4483.	85.00 (+ referral fee; see comment)	Referral	M, Th	23-30 Busine:	2 mL serum	Red top blood collection tube	Refrigerate. Ship for next day delivery in insulated container with freezer pack(s).
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: 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 1ml 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: 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: Tritrichomonas foetus PCR Please see male and female sample collection instructions for Tritrichomonas sampling and instructions for using Inpouch mediasystem. Referral test fee is set by the referring lab and may change without notice; also, a \$30.00 handling fee is added for each accession sent to each referring lab	58.00 (+ referral fee; see comment)	Referral	Tu, Th	3-5 days	bovine - Tritrichomonas transport media (e.g. InPouch) inoculated with preputial (male) or cervical (female) sample cats - 1-2 grams feces	InPouch media system - bovine samples unbreakable, leakproof tube or cup-feline samples	Room temperature, insulate from temperature extremes
Ref: Troponin A complex of muscle proteins which, when combined with Ca ²⁺ , 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

Last Updated: 11/13/2018 VSS-WEB-082-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
Ref:Anaplasma phagocytophilum (Ehrlichia Equi) IFA	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)
<p>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.</p>							
Reproductive Bacteriology Cultures, Panel 4	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.
<p>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.</p>							
Reserpine (LC/MS)	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
<p>Liquid Chromatography/Mass Spectrometry (LC/MS) (increased sensitivity)</p>							
Respiratory Bacteriology Cultures, Panel 6	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.
<p>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.</p>							
Reticulocyte Count	10.50	Clinical Pathology	M-Sa	1-2 days	EDTA blood (> 1/2 full)	lavender top tube	Refrigerate
<p>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</p>							
Rivaroxaban	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.
<p>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</p>							
Rotavirus FA-Any Species	25.00	Virology	M - F	2 - 4 days		Sealable plastic bag or container	Ship in insulated container with ice packs.
<p>Fluorescent antibody</p>							
Russell's Viper Venom Time (RVVT)	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
<p>Ship Overnight; for additional info on Submission Guidelines, or see Comp Coag web page</p>							
Salmonella Culture	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)
<p>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.</p>							
Selenium, tissue/feed (Selenium Hydride Atomic Absorption)	55.00	Toxicology	M-F	6 days	1) 2g tissue; 2) 100g feed	1) sterile container; 2) any container	1) Refrigerate; 2) none
Selenium, whole blood	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
<p>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.</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-082-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 33 of 40

Animal Health Diagnostic Center Test and Fee Schedule

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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Synovial Fluid Cytology	55.00	Clinical Pathology	M - F	1-2 days	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.
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							
T3 (Triiodothyronine) baseline For more information, see Appendix C	17.00	Endocrinology	M-F	1-3 days	1.5 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Post Suppression Test: T3 Contact Lab for protocol; For more information, see Appendix C	11.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Post Suppression Test: T4 Contact Lab for protocol; For more information, see Appendix C	10.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Suppression Test: T3 T3; feline Contact Lab for protocol; For more information, see Appendix C	15.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
T3 Suppression Test: T4 Contact Lab for protocol; For more information, see Appendix C	13.50	Endocrinology	M-F	1-3 days	2 mL serum or heparinized plasma each sample	plastic or glass tube	Refrigerate
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 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	
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

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
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
Thyroid Panel, Feline: FT4d, T4, T3, TSH For more information, see Appendix C	62.00	Endocrinology	M, W, Th	2-5 days	2 - 2.5 mL serum or heparinized plasma from a plain red top collection tube, with no additives and no serum separator tubes; should arrive separated and chilled	red top blood collection tube, plastic or polypropylene tube adequate for transport and frozen storage	Refrigerate
Thyroid Panel: FT4 by dialysis, T4, T3 For more information, see Appendix C	57.00	Endocrinology	M, Th	1-5 days	2 mL serum or heparinized plasma	plastic or glass tube	Refrigerate
Thyroid Panel: FT4D, T4 T3 Immulite This panel of tests was combined to provide Free T4 by dialysis, and T4 and T3 by immulite for equines, bovines, camelids. It can be used for felines. This thyroid panel is designed for use in horses, cows, camelids. It can also be used for cats.	57.00	Endocrinology	M, Th	1-5 days	2 mL serum	plastic or glass tube	Refrigerate. Ship in insulated container with ice pack
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 interferes with the test result. Do not allow coolant to come in contact with specimen; ship Overnight For test interpretation, refer to eclinpath.com Test reference ranges can be found at Clinpath Reference Intervals.	5.00	Clinical Pathology	M-Sa	1-2 days	EDTA blood (>1/2 full)	lavender top tube	Refrigerate
Total Protein, blood Total protein in blood See Test Info and Protocols for more information. Test reference ranges can be found at Clinpath Reference Intervals. For test interpretation, refer to eclinpath.com	13.00	Clinical Pathology	M-Sa	1-2 days	1 mL separated serum or heparinized plasma	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship overnight in insulated container with freezer packs.
Total Protein-Creatinine Panel Total Protein, Creatinine, P:C Ratio (Calc) for additional info on Clin Path panels	38.00	Clinical Pathology	M-Sa	1-2 days	2 mL urine	leak-proof container	Refrigerate. Ship overnight in insulated container with freezer packs.
Toxoplasma gondii IgG ELISA Detects anti-Toxoplasma IgG antibody The Toxoplasma gondii IgG ELISA tests serum for the presence of anti-Toxoplasma IgG antibody, indicating a history of exposure to the parasite. This test is valid to test serum from a broad range of animal species, except for birds, marsupials and cold-blooded animals. Results are reported as "positive", "negative" or "equivocal". Testing is repeated 2-3 weeks after the initial sample was tested to establish if an infection is acute or chronic, or to delineate the true status of an animal with a previously "equivocal" result. When a second sample is submitted, please provide the accession number from the first sample submitted, as both samples are needed for accurate paired testing. Fluids other than serum will not be evaluated. *May qualify for New York State contract pricing.	20.00 /sample price.	Parasitology	Wed	1-7 days	100 uL serum	red-top blood collection tube	Refrigerate
Toxoplasmosis FA Fluorescent antibody	25.00 /animal	Virology	M-F	2-4 days	Fetal tissue: placenta and brain preferred; also lung, liver, kidney, skeletal muscle, spleen, lymph node; Non-fetal tissue including suspect affected tissue such as brain, liver, kidney, lung, skeletal muscle.	Leakproof, unbreakable plastic container or bag	Ship for next day delivery in insulated container with freezer pack(s)
Tracheal Wash Cytology Report includes - Specimen type and site (provided by submitter), Smear type, Smear description, Smear Interpretation With fluid samples of tracheal wash, please also submit 2-3 freshly prepared smears of the fluid and specify smear type, i.e. direct or sediment, on the smears and on the cytology submission form. It is important to rapidly air-dry any smears. Do not allow coolant to come in contact with specimen; ship overnight. STAT service available for same day results (extra charges apply). For additional information see Cytology Testing	46.00	Clinical Pathology	M - F	1-2 days from 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

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-082-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 36 of 40

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Trichinella Tissue Examination Acid Pepsin digest	27.50	Parasitology	M-F	7 days	muscle tissue	wide mouth leak-proof	Refrigerate
Trichomonas Fecal Examination Trichomonas pouches are available from AHDC Shipping	25.00	Parasitology	M-F	12 days	fecal swab in trichomonas In-Pouch (see instructions with In-Pouch)	trichomonas In-Pouch	Do NOT Refrigerate
Triglycerides See Test Info and Protocols for more informationTest reference ranges can be found at Clinpath Reference Intervals.For test interpretation, refer to eclinpath.com	11.00 /sample (blood, fluid)	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate
TSH (Thyroid Stimulating Hormone) baseline Canine, feline For more information, see Appendix C	19.00	Endocrinology	M-F	1-3 days	1 mL serum	plastic or glass tube	Refrigerate
Unstained Histology Slides Prepared Slides or PCR tubes prepared from (FFPE) blocks. Unstained slides or PCR tubes containing 2-3 (10uM) unstained tissue sections prepared from anatomic pathology cases that have been or are in the process of being reported on. These unstained slides or PCR tubes are prepared for the purpose of sending to another testing facility for slide review or referral analysis. Additional charges may be applied for shipping and handling. Price is per slide or PCR tube prepared.	5.25	Anatomic Pathology	M-F	5 business days	Paraffin embedded tissue block		Room temperature
Urea Nitrogen Test for blood urea nitrogen in serum, plasma or other fluid. See Test Info and Protocols for more informationFor test interpretation, refer to eclinpath.comTest reference ranges can be found at Clinpath Reference Intervals.	11.00	Clinical Pathology	M-Sa	1-2 days	1) 1 mL separated serum or heparinized plasma; 2) fluid	Red top (non-anticoagulant) or green top (heparin) tube	Refrigerate. Ship in insulated container with ice pack.
Urea Nitrogen, urine	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube	Refrigerate. Ship in insulated container with ice pack.
Ureaplasma Culture For the culture of Ureaplasma species. *May qualify for New York State contract pricing. Antimicrobial susceptibilities are not applicable. Test is also part of the Reproductive Panel 4 and Respiratory Panel 6.	27.00 /sample	Bacteriology	M-F	5-10 days	1) Uterine, cervical or vaginal mucus; 2) Semen; 3) Tracheal washing or lung tissue; 4) Urine; 5) Aseptically collected swab of 1-4	1-4) Fluid or tissue in sealed sterile container; 5)Swab in Amies transport media WITHOUT charcoal	1-4) Refrigerate
Uric Acid, urine For test interpretation, refer to eclinpath.com	16.50	Clinical Pathology	M-Sa	1-2 days	1 mL urine	Red top (non-anticoagulant) tube	Do NOT refrigerate. Send at room temperature in original container it was collected into.
Urinalysis, Routine Color, turbidity, dipstick (pH, TP, glucose, ketones, bilirubin, blood), specific gravity, sediment exam For test interpretation, refer to eclinpath.com	25.00	Clinical Pathology	M-Sa	1-2 days	10 mL fresh urine	leakproof container	Refrigerate. Ship overnight in insulated container with freezer packs.
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.

Animal Health Diagnostic Center Test and Fee Schedule

Test Name	Test Fee	Discipline	Test Days	Lag**	Samples	Container	Coolant
Virus FA See also specific Viral FA tests Refer to individual FA tests	25.00 /animal	Virology	M-F	2-4 days	Tissues or fluids. Contact lab if there are questions about sample suitability.	Sealable plastic bag or container for tissues; Leakproof container for fluids and swabs in Viral Transport Medium	Ship in insulated container with ice pack
Virus Isolation See also specific Virus Isolation tests or clinical presentation Best sample may depend upon suspected viral infection and pathophysiology related to viremia, infected tissue and viral shedding. Recent investigations indicate that urine is a good antemortem sample for detection of some viruses. There is generally a lack of information regarding viral detection in urine samples for many viral diseases. Please include urine if it is available when you are submitting other samples for virus isolation for our investigational use. No extra charges will be incurred. Refer also to individual Virus Isolation tests. Call lab ahead before sending reptile samples. Swabs in bacterial transport medium are not appropriate for virus isolation or PCR testing. If viral transport media is unavailable, put swabs in a red top tube with a few drops of saline.	70.00 /animal	Virology	M-F	21-30 days, 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
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 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 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

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-082-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 38 of 40

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.

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.