

# Test Guide

Current as of September 2019. Referred tests are subject to change without notice.

Other tests may be available that are not listed in this test guide, please contact the laboratory for unlisted test at 902-566-0863.

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
2M Antibody (Masticatory Muscle Myositis)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Separate serum from the cells. Freeze.
Acetylcholine Receptor Antibody (Myasthenia Gravis)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Separate serum from the cells. Freeze
Acid Fast Stain	BACT	M-Sat	1-2 days	1) Affected tissue; 2) smear/ slides; 3) swab from lesion; 4) rectal mucosal scraping; 5) feces	1, 5) Sterile, screw cap container; 2, 4) slide folder; 3) transport media	1, 3) Refrigerate
ACTH Baseline (Endogenous)	REFERRED	M-W	5-7 days	1 ml EDTA plasma	Purple-top vacutainer	Collect in purple-top tube. Plasma must be separated from the cells immediately. Freeze in red-top.
ACTH and Insulin- Canine, Equine	REFERRED	M-Th	3-5 days	2 ml EDTA plasma	Purple-top vacutainer	Freeze
ACTH, Leptin, Insulin – Equine only	REFERRED	M-Th	3-5 days	2 ml EDTA plasma	Purple-top vacutainer	Freeze
ACTH Stimulation    - Pre Sample - Post sample	ENDO	M-Sat	1-3 days	1 ml serum	Red-top vacutainer	Fasting overnight is preferred. Refrigerate
Actinobacillus Pleuropneumonia (APP), <b>Serology</b>	REFERRED			1 ml serum	Red-top vacutainer	
Activated Partial Thromboplastin Time (APTT)	COAG	M-Sat	Same Day	Separated citrated plasma	Blue-top vacutainer (3.2% Sodium citrate) Filled to tube's labelled capacity – Needed to avoid Artifact.	Collect in a blue-top vacutainer, centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
Adrenal panel, canine (Cortisol, Estradiol, Androstenedione, 17-Hydroxyprogesterone, Progesterone, Aldosterone)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Separate serum from the cells. Freeze
Adrenal panel, ferret (Estradiol, Androstenedione, 17-Hydroxyprogesterone)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Separate serum from the cells. Freeze

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Aerobic Bacterial Culture/Sensitivity (MIC)	BACT	M-Sat	3-5 days	1) Swab/ fluid from affected site; 2) any fresh tissue (keep cool); 3) urine swab; 4) 5 ml fresh urine	1, 3) Transport media/ plain glass or plastic tube; 2, 4) sterile, screw cap container	Refrigerate
Specific Pathogen Screen 1-5 samples 6-10 samples >10 samples	BACT	Call Lab		Call Lab – 902-566-0821		
Aerobic Bacterial Culture – PBP2 Agglutination for Methicillin resistant Staphylococcus sp.	BACT	M-Sat	1-2 days	Submit Culture	Plated culture or swab	Refrigerate
Alanine Aminotransferase (ALT)	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Albumin	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Albumin: Globulin Ratio (A:G)	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Aldosterone Baseline and Post ACTH Stimulation samples	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Alkaline Phosphatase (ALP)	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Alkaline Phosphatase Isoenzyme	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze
Allergy Screens - Canine/Feline Regional – 40 Allergens	REFERRED	M-T	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Alpha-1 Protease Inhibitor Canine and Adult Feline	REFERRED	M-W	5-10 days	3 fresh fecals on 3 consecutive days.	Pre-weighed container Contact Lab 902-566-0860	Freeze
Alpha-1 Proteinase Inhibitor – Feces Canine and Adult Feline	REFERRED	M-W	5-10 days	3 fresh fecals on 3 consecutive days.	Pre-weighed container Contact Lab 902-566-0860	Refrigerate
Aleutian Disease Virus (ADV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> spleen, kidney	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Amikacin	REFERRED	M-W	7-10 days	1 ml serum transferred to plastic	Plastic vial or tube ONLY	Refrigerate. Sample must be transferred to plastic immediately.
Amino Acid	REFERRED	M-W	7-10 days	1) 5 ml fresh urine 2) 5 ml heparinized plasma	1) Plain glass or plastic tube; 2) Green- top vacutainer	Refrigerate
Ammonia (available to AVC VTH only) Pre-arrange submission with the Lab	REFERRED	M-F	1-2 days	1 ml heparinized plasma	Green-top vacutainer	Delivered to the lab on ice.
Amylase	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Anaerobic Bacterial Culture/ Beta-Lactamase Testing	BACT	M-Sat	8 days	1) Fluid; 2) tissue;	1) Anaerobic transport medium: tube or vial; 2) Sterile, screw cap container; 3) anaerobic transport medium for tissue, or frozen tissue; 4) frozen tissue	1-3) DO NOT refrigerate; 4) fresh or frozen on ice
Anaplasma phagocytophilum (IFA)	REFERRED	M-F	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Anaplasma phagocytophilum – (PCR)	REFERRED	M-W	5-7 days	1 ml Whole blood in EDTA	Purple-top vacutainer	Refrigerate
Anticoagulant/Rodenticide Screen	REFERRED	M-W	5-7 days	10-20 ml heparinized whole blood and 50 ml urine	Green-top vacutainers and Sterile Container	Refrigerate
Anti-factor XA	REFERRED	M-W	3-5 days	1 ml citrated plasma	Blue-top vacutainer	Separate immediately the cells. Freeze
Antimicrobial Susceptibility Testing (MIC)	BACT	M-Sat	3-5 days	Fresh pure bacterial culture	TSA slant or plate/BA slant or plate	Refrigerate
Anti-Mullerian Hormone – Bovine	REFERRED	M-W	3-5 days	1 ml serum	Red-stopped tube- Centrifuge within 24 hrs	Immediately freeze
Anti-Mullerian Hormone – Canine/Feline	REFERRED	M-W	7-10 days	1 ml serum	Red-stopper tube – Centrifuge within 24 hrs.	Immediately freeze
Antinuclear Antibody (ANA)	REFERRED	M-W	7-10 days	1 ml separated serum	Red-top vacutainer	Refrigerate
Antithrombin III	REFERRED	M-W	7-10 days	1 ml separated citrate plasma	Plastic or siliconized glass tube	Refrigerate
APP Serotypes (Single)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Aquatic: Aerobic Culture and ID	BACT	M-Sat	7-10 days	1) Whole fish; 2) swabs; 3) bacterial plates; 4) internal organs; 5) skin; 6) gills	1, 4, 5, 6) Whirl-pak bags; 2) transport media; 3) plate	Refrigerate/ Freeze
Aquatic: Antimicrobial Susceptibility Testing (Kirby Bauer)	BACT	M-Sat	3-5 days	Fresh pure bacterial culture	TSA slant or plate/BA slant or plate	Refrigerate
Aquatic Bacterial IFAT, Tissue (1-10 samples) (10-60 samples) (>60 samples)	BACT	M-F	1-2days	1) Bacterial plates; 2) slides; 3) kidney smears; 4) kidney swabs	1) plate; 2) slides; 3) slides; 4) swabs	Refrigerate
Aquatic Biochemistry Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Aquatic BKD IFAT, reproductive fluid (1-10 samples) (>10 samples)	BACT	M-F	1-2 days	1) Ovarian fluid; 2) milt	1, 2) Sterile, screw cap container	Refrigerate
Aquatic BKD Screen (Culture & IFAT)	BACT	M-F	1-2days	Kidney swab, tissue	Sterile container/bag	Refrigerate+
Aquatic Complete Blood Count (CBC) (Avian and Reptile)	HEMA	M-F	1-2days	1) 3 ml EDTA whole blood (> ½ full); 2) 2 dry (unfixed, unstained) blood smears	1) Purple-top vacutainer; 2) slides	1) Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Aquatic: Isolate Confirmation	BACT	M-Sat	7-10 days	Fresh bacterial isolates	TSA/ TSA* slant/ plate	Refrigerate
Aquatic: Mycology Culture and ID	BACT	M-Sat	7-10 days	1) Whole fish; 2) swabs; 3) bacterial plates; 4) internal organs; 5) skin; 6) gills	1, 4, 5, 6) Whirl-pak bags; 2) transport media; 3) plate	Refrigerate/ Freeze
Aquatic: Pathogen Screening (1-5 fish) (6-10 fish) (> 10 fish)	BACT	M-Sat	7-10 days	1) Whole fish; 2) swabs; 3) bacterial plates; 4) internal organs; 5) skin; 6) gills	1, 4, 5, 6) Whirl-pak bags; 2) transport media; 3) plate	Refrigerate/ Freeze
Arsenic	REFERRED	M-F	10 days	1) 2 ml heparinized blood; 2) 25 g liver	1) Green-top vacutainer; 2) sterile, screw cap container	Freeze
Aspergillus Serology (also, see Fungal Panel)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Aspartate Aminotransferase (AST)	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Aspirate – see Cytology						
Astaxanthin (per sample)	TOX	N/A Batched	Call Lab – 902-566-0833	1) 10 g feed; 2) 100 g fillets (boneless/skinless)	1, 2) Plastic bags	Frozen
Autogenous vaccine/ bacterin	REFERRED	M-W	5-10 days	Live bacterial culture	TSA/ BA slant	Refrigerate
Avian Biochemistry Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Avian Paramyxovirus Type A (APMV-1) <b>Real-Time PCR</b>	VIRO	Batched M-F		<b>Live:</b> oropharyngeal swab, cloacal swab, tracheal swab <b>Dead:</b> trachea, lung, spleen, kidney, brain	<b>Live:</b> Viral transport medium (contact lab 902-566-0877) <b>Dead:</b> Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Avitrol, avian	REFERRED	M-W	7-10 days	Crop	Sterile, screw cap container	Refrigerate
B12/ Folate	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
B12/ Folate/ PLI	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
B12/ Folate/ TLI	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
B12/ Folate/ TLI / PLI	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
Babesia Blood Smear Examination	CYTO	M-F	1-2 days	2 air-dried smears of peripheral blood	Slides	Maintain at Room Temperature
Babesia canis - <b>Serology</b>	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze
Babesia canis - <b>PCR</b>	REFERRED	M-W	7-10 days	2 ml EDTA	Purple-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Babesia canis/gibsoni – IFA	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Refrigerate
Babesia gibsoni – IFA and smear evaluation	REFERRED	M-W	5-7 days	2 ml serum; 2 ml EDTA and 2 air-dried blood smears	Red-top vacutainer Purple-top vacutainer	Refrigerate
Babesia gibsoni <b>IFA &amp; Blood Smear Exam</b> - Export	REFERRED	M-W	5 – 7 days	1 ml serum,1 ml EDTA, 1 blood smear	Red-top vacutainer Purple-top vacutainer	Refrigerate
Baermann Technique	PARASIT	M-F	2-3 days	10 g fresh feces	Wide mouth, leak proof container	Refrigerate
Bartonella henselae /vinsonii/koehlerae <b>Canine Serology PCR</b>	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
	REFERRED	M-W	7-10 days	1 ml whole blood	Purple-top vacutainer	Refrigerate
Bartonella vinsonii <b>Feline Western Blot</b>	REFERRED	M-W	7-10 days	1 ml whole blood	Purple-top vacutainer	Refrigerate
Bence-Jones Protein - Screen Confirmation - if screen Positive	REFERRED	M-Th	3-5 days	15 ml urine – free catch or cystocentesis	Leak-proof container	Refrigerate
Bile Acids ( <b>Pre-prandial or Single</b> )  ( <b>Post-prandial</b> )	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Bilirubin, Direct	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Bilirubin, Total	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Biopsy - 1-4 masses/tissues - 5-6 masses/tissues - 7 or greater masses/tissues	HISTO	M-F	2-4 days	Please refer to Histopathology Section of the Diagnostic Services Manual		
Blastomyces Antigen	REFERRED	M-W	7-10 days	2 ml urine	Red-top vacutainer	Refrigerate
Blastomyces Serology (also, see Fungal Panel)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Blood Culture (Available to VTH and clients who submit the blood culture system)	BACT	M-Sat	14 days	1) 1-3 ml whole blood for small animal; 2) 8-10 ml whole blood for large animal	1, 2) Commercially available blood culture systems	
Blood Gasses and Electrolytes (Charlottetown and area clients)	CHEM	M-Sat	1-2 days	1 ml heparinized whole blood in anaerobic syringe	Anaerobic syringe	<b>Deliver to laboratory within 30 minutes of collection</b>

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Blood Typing – Canine/Feline	HEMA	M-F	1-2 days	3 ml whole blood EDTA	Purple-top vacutainer	Refrigerate
Bone Marrow	CYTO	M-F	1-2 days	2-4 air-dried, unfixed smears	Slides	
Border Disease Virus, <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> brain, lymph node	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Border Disease Virus, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> brain, lymph node	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Border Disease Virus, <b>VI</b>	VIRO	M-F	7-28 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> brain, lymph node	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Bordetella bronchiseptica (AGGL)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Borrelia burgdorferi – Lyme Multiplex (Canine/Equine)	REFERRED	M-Th	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Borrelia burgdorferi – Lyme Disease SNAP 4Dx Plus (Borrelia, Ehrlichia, Anaplasma, Dirofilaria)	PARASIT	M-Sat	1-3 days	1 ml serum or whole blood	Red-top, Purple-top or green-top vacutainer	Refrigerate
Borrelia burgdorferi – Lyme Disease Quant C6 - Canine	REFERRED	M-Th	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Borrelia burgdorferi – Lyme Disease – IFA Feline only	REFERRED	M-Th	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Bovine Adenovirus, <b>Serology</b> Single Sera <5 Single Sera >5 Paired Sera <5 Paired Sera >5	REFERRED		7-21 days	1 ml serum	Red-top vacutainer	Refrigerate
Bovine Coronavirus, <b>ELISA</b>	VIRO	Fri	1-2 days	<b>Live:</b> feces <b>Dead:</b> colon, ileum, jejunum (tie both ends)	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Bovine Herpesvirus-1 Infectious Bovine Rhinotracheitis (IBR), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> nasal swab  <b>Dead:</b> spleen, kidney, lung, liver, adrenal gland	Viral transport medium (contact lab 902-566-0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Bovine Leukosis (BLV), <b>ELISA</b>	VIRO	Thurs	7 days	1 ml serum	Red-top vacutainer	Refrigerate
Bovine Leukosis (BLV), <b>STAT</b>	VIRO			1 ml serum	Red-top vacutainer	Refrigerate
Bovine Leukosis (BLV-CHAH), <b>ELISA</b>	VIRO	Thurs	7 days	1.0 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack.
Bovine Respiratory Syncytial Virus (BRSV), <b>FAT</b>	VIRO	M-F	1-2 days	Lung	Leak proof container.	Refrigerate. Ship in insulated container with ice pack.
Bovine Respiratory Syncytial Virus (BRSV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> tracheal washings, nasal swab <b>Dead:</b> lung	<b>Live:</b> Viral transport medium (contact lab 902-566-0877) <b>Dead:</b> Leak proof container	Refrigerate. Ship in insulated container with Ice pack.

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Bovine Respiratory Syncytial Virus (BRSV), <b>Serology</b> Single Sera <5 Single Sera >5 Paired Sera <5 Paired Sera >5	VIRO	W-F	7-21 days	1.0 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack.
Bovine Viral Diarrhea Virus (BVDV), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Fetal tissues:</b> spleen, kidney, lung, liver, adrenal gland, brain <b>Adult tissues:</b> Erosive lesion on lips, gums, nasal passages, dental pads, lung, peyers patch, spleen, mesenteric lymph node, thymus, kidney, tonsil	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Bovine Viral Diarrhea Virus (BVDV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2.0 ml whole blood, nasal swab, feces <b>Fetal tissue:</b> spleen, kidney, lung, liver, adrenal gland <b>Adult tissue:</b> Erosive lesion on lips, gums, nasal passages, dental pads, lung, peyers patch, spleen, mesenteric lymph node, thymus, kidney, tonsil	<b>Live:</b> Purple-top vacutainer, Viral transport medium (contact lab 902-566-0877) <b>Fetal/Adult tissue:</b> leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Bovine Viral Diarrhea Virus (BVDV) Genotyping, <b>PCR</b>						
Bovine Viral Diarrhea Virus (BVDV) Type 1 & Type 2, <b>SN</b> Single Sera <5 Single Sera >5 Paired Sera <5 Paired Sera >5	VIRO	W-F	7-21 days	1.0 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Bovine Viral Diarrhea Virus (BVDV), <b>VI</b>	VIRO	M-F	7-28 days	<b>Live:</b> 2.0 ml whole blood Nasal swab <b>Fetal Tissue:</b> Spleen, kidney, lung, liver, adrenal gland, brain <b>Adult tissue:</b> Erosive lesion on lips, gums, nasal passages, dental pads, lung, peyers patch, spleen, mesenteric lymph node, thymus, kidney, tonsil	Purple-top vacutainer Viral transport medium Leak proof container  Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Breed Identification	REFERRED				Refer to: <a href="http://vetgen.com">http://vetgen.com</a>	
Brucella abortus – <b>CFIA REGULATED</b>					Contact CFIA District Veterinarian for advice	
Brucella ovis	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
C6 Quant – Borrelia burgdorferi – Lyme Disease - Canine	REFERRED	M-Th	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Cadmium Routine Rush	TOX	Batched	1-10 days 1-5 days	1) 5 g liver; 2) 5 g kidney	1, 2) Plastic bag(s)/ Sterile, screw cap container	1, 2) Freeze

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Calcitriol (1,25 Dihydroxyvitamin D 3))	REFERRED	M-W	7-10 days	2 ml serum or plasma	Red-top vacutainer Green-top vacutainer	Separate and Freeze
Calcium - <b>Total</b>	CHEM	M-Sat	2-3 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Calcium – <b>Ionized</b> (Charlottetown and area clients)	HEMA	M-F	30 min.	Heparinized whole blood	Anaerobic syringe	<b>Deliver to laboratory within 30 minutes of collection</b>
Calcium – <b>Ionized</b> (non-local clients)	REFERRED	M-W	2-3 days	1 ml separated serum	Red-top vacutainer	Refrigerate
Calculus	REFERRED	M-Sat	14-21 days	Stone	Sterile, screw cap container	
Call Back Pathologist (per hour) or Technologist (per hour)	CHEM	After hours/				
Campylobacter Culture	BACT	M-Sat	3 days	1) (Optimum) 10 g fresh feces; 2) fecal swab	1) Sterile, screw cap container; 2) Transport media	Refrigerate
Cancelled Test, Aerobic	BACT	M-Sat				
Cancelled Test, Anaerobic	BACT	M-Sat				
Canine Adenovirus - Infectious Canine Hepatitis (CAV-1), <b>Serology</b>	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Canine Biochemistry – Kidney/ Fluid & Electrolyte	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Canine Biochemistry – Liver Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Canine/Feline Biochemistry– Senior Wellness Panel (Geriatric)	CHEM	M-Sat	1-2 days	2 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Canine Biochemistry – Surgical Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Canine Biochemistry – Total Body Panel	CHEM	M-Sat	1-2 days	2 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Canine Brucellosis Screen – slide agglutination and agar gel immunodiffusion	REFERRED	M-Th	5 days	2 ml serum	Red-top vacutainer	Refrigerate
Canine Coronavirus (CCV), <b>Serology</b>	REFERRED	M-F	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Canine Distemper Virus (CDV), <b>FAT</b>	VIRO	M-F	1-2 days	Brain, lung, tonsil, bronchial lymph nodes, urinary bladder	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Canine Distemper Virus (CDV), <b>Serology</b>	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Canine Herpesvirus (CHV), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Live:</b> lung, lymph node, kidney	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Canine Herpesvirus (CHV), <b>Serology</b>	REFERRED		7-10 days	1 ml serum	Red-top Vacutainer	Refrigerate. Ship in insulated container with Ice pack



<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Canine Influenza Virus Matrix, <b>PCR</b>	REFERRED		5-10 days	Nasal swab	Viral transport medium (contact lab 902-566-0877)	Refrigerate. Ship in insulated container with Ice pack
Canine: Parainfluenza Virus (CPIV), <b>Serology</b>	REFERRED		7-10 days	1 ml serum;	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Canine: Parvovirus (CPV), <b>ELISA</b>	VIRO	M-F	1-2 days	<b>Live:</b> feces <b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Canine Parvovirus (CPV), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Canine Parvovirus (CPV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> feces <b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Canine Parvovirus (CPV), <b>Serology</b>	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Canthaxanthin (per sample)	TOX	N/A Batched	Call Lab- 902-566-0833	1) 10 g feed; 2) 100 g fillets (boneless/skinless)	1, 2) Plastic bags	Freeze
Caprine Arthritis & Encephalitis, <b>ELISA</b> 1 sera 2-3 sera 4-9 sera >10 sera	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Caprine Herpes Virus-2 (CHV-2) - Malignant Catarrhal Fever (MCF), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> kidney, liver, brain	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Cardio Pet pro-BNP	REFERRED	M-Th	3-5 days	1 ml EDTA plasma is the preferred sample or 1 ml serum	Purple-top vacutainer Red-top vacutainer	Refrigerate
Carnitine – Plasma, Urine or Muscle						
Carotenoid	TOX	N/A Batched	Call Lab 902-566-0833	1) 10 g feed; 2) 100 g fillets (boneless, skinless)	1, 2) Plastic bags	Freeze
Caseous lymphadenitis screen (SHI) Single Multiple	REFERRED	M-Th	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Cell Counts	HEMA	M-F	1-2 days	3 ml whole blood EDTA	Purple-top vacutainer	Refrigerate
Cerebral Spinal Fluid	CYTO	M-F	1-2 days	See Cytology		
Chlamydomphila psittaci-Avian, <b>PCR</b>	VIRO	M-F	1-2 days	Live: cloacal swab  Dead: liver, spleen, kidney	Viral transport medium (Contact Lab) Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Chlamydomphila psittaci – Feline, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> conjunctival swab, oropharyngeal swab, nasal swab <b>Dead:</b> lung, conjunctiva	Viral transport medium (contact lab 902-566-0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Chlamydomphila psittaci – Ovine, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Dead:</b> liver, kidney, lung	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Chloride	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Cholesterol	CHEM	M-Sat	1-2 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Cholinesterase	TOX	N/A Batched	1-10 days	ALL Brain	Plastic bag(s)/sterile, screw cap container	Freeze
Clostridium botulinum	REFERRED	M-W	7-10 days	1) 1 ml serum; 2) feed; 3) stomach contents	1) Red-top vacutainer; 2, 3) sterile, screw cap container	1) Refrigerate; 2, 3) Freeze ASAP @ -20 Ship on ice.
Clostridium difficile screening	BACT	M-Sat	3-5 days	5-10 grams feces	Sterile screw cap container	Refrigerate
Clostridium difficile toxins A & B (cultured, then ELISA performed)	REFERRED	M-W	7-10 days	1) 3 g fresh feces; 2) colon	Sterile, screw cap container	Refrigerate
Clostridium perfringens (types A, B, C, D, E) – genotyping	REFERRED	M-W	7-10 days	Bacterial culture	Anaerobic transport system	Phone (902)566-0821
Clostridium perfringens enterotoxin (cultured, then ELISA performed)	REFERRED	M-W	7-10 days	1) 3 g fresh feces; 2) intestine	Sterile, screw cap container	Refrigerate
Coagulation - PT or APTT APTT & PT	COAG	M-F	Same Day	1 ml Citrated plasma – Call A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
Coagulation – vWF antigen	REFERRED	M-Th	3-5 days	1 ml citrated plasma – A dilution of 9:1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
Coagulation – Hemophilia panel (aPTT, PT,TCT, Factor VIII:C, Factor IX:C, vWF:ag)	REFERRED	M-Th	3-5 days	1 ml citrated plasma A dilution of 9:1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
Cobalamin (B12) and Folate	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Cobalt	TOX	Batched	1-10 days	1)5 ml water 2)1 g tissue	1)Plain glass or plastic tube 2)Plastic bags	Freeze
Cobalt - RUSH			1-5 days			
Coccidioides Antigen	REFERRED	M-W	7-10 days	2 ml urine	Red-top vacutainer	Refrigerate
Coccidioides Serology (also, see Fungal Panel)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Cod Nodavirus, PCR: 1-9 samples 10-59 samples >60 samples	VIRO	M-F	1-2 days	Eye, Brain	Leak proof container	Refrigerate. Ship in insulated container with ice pack.
Cod Nodavirus, VI	VIRO	M-F	21-30 days	Eye, Brain	Leak proof container	Refrigerate. Ship in insulated container with ice pack.

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Complete Blood Cell Count (CBC)	HEMA	M-F	1-2 days	1) 3 ml EDTA whole blood (> ½ full); 2) 2 dry (unfixed, unstained) blood smears	1) Purple-top vacutainer; 2) slides	1) Refrigerate tube 2) Smears at Room Temperature
Coombs – Direct Feline/Equine	REFERRED	M-Th	3-5 days	2 ml EDTA whole blood	Purple-top vacutainer	Refrigerate
Coombs Test - Canine	CYTO	M-F	1-2 days	3 ml whole blood EDTA	Purple-top vacutainer	Refrigerate
Copper, serum Routine Rush	TOX	Batched	1-10 days 1-5 days	1) 2 ml serum	Red-Top vacutainer	Freeze
Copper, tissue Routine Rush	TOX	Batched	1-10 days 1-5 days	1) 5 g liver; 2) 5 g kidney	1, 2) Plastic bag(s)/ Sterile, screw cap container	1, 2) Freeze
Cortisol – Baseline - Post(s) each	ENDO	M-Sat	1-3 days	1 ml serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Courier – Labrador	COURIER			0-5 lbs		
Courier – New Brunswick	COURIER			0-10 lbs		
Courier – Newfoundland, Air	COURIER			0-5 lbs		
Courier – Newfoundland, Ground	COURIER			0-10 lbs		
Courier – Nova Scotia	COURIER			0-10 lbs		
Courier – Prince Edward Island	COURIER			0-10 lbs		
C-Reactive Protein – Canine	REFERRED	M-Th	7-10 days	1 ml serum collected after 12 hour fast	Red-top vacutainer	Refrigerate
Creatine Kinase (CK)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Creatinine (Serum, Plasma, Urine)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma or urine	Red-top vacutainer Green-top vacutainer	Refrigerate
Cross-match (per donor)	CYTO	M-F	On day of submission	Recipient: 2 ml serum (preferred) or 2 ml EDTA plasma Donor: Segment from donor bag	Recipient: Red-top (preferred) or purple-top vacutainer Donor: Segment	Refrigerate
Cryptococcus sp. Serology	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Cryptosporidium sp. Identification	PARASIT	M-F	1-3 days	10 g fresh feces	Wide mouth, leak proof container	Refrigerate
Cyclosporine	REFERRED	M-F	2-3 days	3 ml EDTA whole blood	Purple-top vacutainer	Refrigerate; DO NOT freeze

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Cytology –Aspirates & Smears Single site 2-4 Sites 5-7 Sites 8-10 Sites Resubmission (within 1 month)  Cytology – Fluids Single site 2-3 sites 4-6 sites 7-10 sites	CYTO	M-F	1-2 days	Please refer to Cytology Section of the Diagnostic Services Laboratory Manual.	Please refer to Cytology Section of the Diagnostic Services Laboratory Manual.	Please refer to Cytology Section of the Diagnostic Services Laboratory Manual.
D-Dimer Quantitative	REFERRED	M-Th	3-5 days	1 ml Citrated plasma – Call A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
Degenerative Myelopathy	REFERRED	M-F	5-7 days	Buccal cells collected on Brushes.	Red-top vacutainer	Room Temperature
Dermatophilus congolensis	BACT	M-Sat	1-2 days	Skin scabs	Sterile, screw cap container	
Development Method	TOX			Call Lab – 902-566-0833		
Digoxin	TDM	M-F	2-3 days	1 ml serum	Red-top vacutainer; GLASS vial	Refrigerate
Dilantin	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
DNA Sexing, avian	REFERRED	M-W	7-10 days	0.2 ml whole blood	Green or lavender top vacutainer	Refrigerate
Down Cow Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Ehrlichia canis (IFA)	REFERRED	M-Th	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Electrolyte Panel, blood Na,K,Cl	CHEM	M-Sat	1-2 days	1 ml separated serum or heparinized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Emamectin in Fish Feed <b>*ISO/IEC 17025 Accredited</b> <b>*Information may be released if it is required by law or authorized by contractual arrangements to the accreditation or other regulatory body.</b>	TOX	N/A Batched	1-10 days	10 g feed	Plastic bag(s)/Screw cap container	Freeze
RUSH			1-5 days			
Emamectin in Fish Fillets	TOX	N/A Batched	1-10 days	100 g fillets (boneless/skinless)	Plastic bag(s)/Screw cap container	Freeze
RUSH			1-5 days			
Encephalitozoon cuniculi (IFA) (PCR)	REFERRED	M-Th	5-7 days	1 ml serum 0.5 ml aqueous humor, urine or 0.5 g kidney or brain	Red-top vacutainer	Refrigerate
Enterotoxigenic E.coli (virotyping)	REFERRED	M-W	5-10 days	Pure Culture	TSA slant	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Equine Chorionic Gonadotropin (PMSG)	REFERRED	M-Th	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Equine Cryptorchid Panel – Testosterone & Estrone Sulfate	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Freeze
Equine Chorionic Gonadotropin	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Equine Egg Count	PARASIT	M-F	1-2 days	5 g feces	Sterile, screw cap container	Refrigerate
Equine Herpesvirus-1, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> liver, lung, spleen	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Equine Herpesvirus-4, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> liver, lung, spleen	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Equine Herpesvirus-1/Equine Herpesvirus-4, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood Bronchoalveolar washing, nasal swab <b>Dead:</b> liver, lung, spleen	Purple-top vacutainer Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Equine Infectious Anemia Virus (EIA), <b>ELISA</b> <b>*ISO/IEC 17025 Accredited</b> <b>*Information may be released if it is required by law or authorized by contractual arrangements to the accreditation or other regulatory body.</b>	VIRO	W-F	5 days	2 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Equine Infectious Anemia Virus (EIA), <b>STAT</b>	VIRO	M-F	1 day	2 ml serum	Red-top vacutainer	Refrigerate
Equine Influenza <b>A1-HI</b> Equine Influenza <b>A2-HI</b>	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Equine Metabolic Syndrome Diagnostic Plan (ACTH, Insulin, Leptin, Glucose and T4)	REFERRED	M-W	5-7 days	- 1 ml EDTA plasma and - 1 ml serum each separated from The cells within 4 hours of collection.	Purple-top vacutainer Red-top vacutainer	Freeze
Equine Piroplasmiasis	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Equine Protozoal Myeloencephalitis (EPM) Western Blot IFA	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Equine Protozoal Myeloencephalitis (EPM) Serum/ Cerebrospinal Fluid Submitted together	REFERRED	M-W	7-10 days	1) 1 ml serum; 2) 1 ml cerebrospinal fluid (CSF)	1) Red-top vacutainer; 2) plain glass or plastic tube	Refrigerate
Ehrlichia canis – serology <b>IFA</b>	REFERRED	M-W	5-7 days	1 ml serum	Red-top vacutainer	Freeze
Erythropoietin	REFERRED	M-W	>15 days	2 ml separated serum	Red-top vacutainer	Freeze in a plastic tube
Estradiol	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Estrone Sulfate (Quantitative) First animal Each additional animal (One shipment)	REFERRED	M-Th	5-15 days	1 ml serum Set up on Monday Reported Tuesday	Red-top vacutainer	Refrigerate
Ethylene Glycol Screen, canine/ feline	CHEM	M-Sat	1-2 days	1) 3 ml EDTA plasma; 2) 3 ml heparinized plasma (Collected within 14hrs on ingestion of EG)	1) Purple-top vacutainer; 2) green-top vacutainer	Refrigerate
Export Profile – Canine (Canine Brucellosis, Ehrlichia canis, Leptospirosis canicola, Leishmania)	REFERRED	M-Th	5-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Factor Assay –Small Animal - Factors II of V - Factors VII,VIII IX, X of XII - Factor XIII	REFERRED	M-W	3-5 days	1 ml Citrated plasma – Call A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red- topped vial. Freeze
Fanconi Syndrome	REFERRED	M-W	14-21 days	5 ml urine	Red-top vacutainer	Refrigerate
FAVN – Rabies serology for Export	REFERRED	M-Th	14-28 days	1 ml serum – Call Lab (902-566-0860) for details and requisition.	Red-top vacutainer	Refrigerate
FAVN – STAT Service – Rabies Serology For Export	REFERRED		7-14 days	Paid by Client by Credit card before submission to AVC Diagnostic Services		
FAVN – Rabies serology for Export Report Couriered to Client from Kanas State	REFERRED		7-14 days	Paid by Client by Credit card before submission to AVC Diagnostic Services		
Fecal Alpha-1 Proteinase Inhibitor Canine and Adult Feline	REFERRED	M-W	5-10 days	3 fresh fecals on 3 consecutive days Call (902-566-0860)	Submitted in pre-weighed tubes available from lab.	Refrigerate
Fecal Direct Smear	PARASIT	M-F	1-2 days	5 g feces	Sterile, screw cap container	Refrigerate
Fecal Flotation	PARASIT	M-F	1-2 days	5 g feces	Sterile, screw cap container	Refrigerate
Fecal Occult Blood	PARASIT	M-F	1-2 days	5 g feces	Sterile, screw cap container	Refrigerate
Feline Biochemistry – Kidney/ Fluid & Electrolyte Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Feline Biochemistry – Liver Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Feline Biochemistry – Senior Wellness Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Feline Bartonella - Western Blot	REFERRED	M-Th	3-5 days	1 ml whole blood	Purple-top vacutainer	Refrigerate
Feline Biochemistry – Surgical Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Feline Biochemistry – Total Body Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Feline Calicivirus (FCV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> oropharyngeal swab, nasal swab, conjunctival swab <b>Dead:</b> lung	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Calicivirus (FCV), <b>Serology</b>	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Calicivirus (FCV). <b>VI</b>	VIRO	M-F	7-28 days	<b>Live:</b> oropharyngeal swab, nasal swab, conjunctival swab <b>Dead:</b> lung	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Coronavirus (FCoV)/Feline Infectious Peritonitis (FIP), <b>IFAT</b>	VIRO	Thurs	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Geriatric Panel (Senior Wellness)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Feline Herpes Virus (FHV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> oropharyngeal swab, nasal swab, conjunctival swab <b>Dead:</b> lung, liver, spleen, kidney	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Herpes Virus (FHV), <b>Serology</b>	REFERRED			1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Herpes Virus (FHV), <b>VI</b>	VIRO	M-F	14-28 days	<b>Live:</b> oropharyngeal swab, nasal swab, conjunctival swab <b>Dead:</b> liver, spleen, soft palate, tonsils, nasal, turbinates	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Immunodeficiency Virus (FIV)/ Feline Leukemia Virus (FeLV), <b>ELISA (Combo)</b>	VIRO	M-F	1 day	1 ml serum or 2 ml whole blood	Red-top vacutainer or Purple-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Infectious Peritonitis (FIP), <b>IFAT</b>	VIRO	Thurs	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Infectious Peritonitis (FIP), <b>FAT</b>	VIRO	M-F	1-2 days	Liver, kidney, lymph node, pleura, pericardium, meninges of brain and spinal cord	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Infectious Peritonitis (FIP), <b>PCR</b>	VIRO	M-F	1-2 days	Liver, kidney, lymph node, pleura, pericardium, meninges of brain and spinal cord	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Leukemia Virus (FeLV), <b>ELISA</b>	VIRO	M-F	1-2 days	1 ml serum 2 ml whole blood	Red-top vacutainer Purple-top vacutainer	Refrigerate. Ship in insulated container with Ice pack

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Feline Leukemia Virus (FeLV), <b>IFAT</b>	VIRO	M-F	1-3 days	2 ml whole blood	Purple-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Panleukopenia Virus(parvovirus), <b>Serology</b>	REFERRED	M-F	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Feline Panleukopenia Virus (FPL), <b>ELISA</b>	VIRO	M-F	1-2 days	<b>Live:</b> feces <b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Panleukopenia Virus (FPL), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Panleukopenia Virus (FPL), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> feces <b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Feline Viral Rhinotracheitis (FVR), <b>See Feline Herpes Virus</b>						
Ferritin (Canine, feline, equine)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze
Fibrin Degradation Products (FDP)	COAG	M-F	1-2 days	1 ml citrated plasma – A dilution of 9:1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red- topped vial. Freeze
Fibrinogen- Heat precipitation	HEMA	M-F	1 day	3 ml EDTA whole blood (> ½ full)	1) Purple-top vacutainer	Refrigerate
Fibrinogen - Quantitative	REFERRED	M-W	7-10 days	1 ml Citrated plasma – Call A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red- topped vial. Freeze
Fish Health Unit – Parasite ID	PARASIT	M-F	1-2 days	Parasite	Sterile, screw cap container	Refrigerate
Florfenicol (per sample)	TOX	N/A Batched	Call Lab 902-566-0833	20 g fillets (boneless/skinless)	Plastic bag(s)/ Sterile, screw cap container	Freeze
Flow cytometry	REFERRED	M-W	7-10 days	Call for sample instructions. 902-566-0860		
In addition to PARR						
Fluid- See Cytology						
Fluid Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Folate and Vitamin B12	REFERRED	M-W	7-10 days	1 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
Follicle Stimulating Hormone (FSH)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Free T4 by Equilibrium Dialysis (Feline, equine, canine)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Freemartin	REFERRED	M-W	7-10 days	2ml whole blood	Lavender-top vacutainer	Refrigerate



<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Fructosamine	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Fungal Identification by gene sequencing	BACT	M-Sat	30 days	Pure culture isolate	Fungal agar slant	
Fungal Serology Panel includes Aspergillus, Blastomyces, Coccidioides, Histoplasma & Cryptococcus	REFERRED	M-W	7-10 days	1) 1-2 ml serum; 2) cerebrospinal fluid (CSF)	1) Red-top vacutainer; 2) Plain glass or plastic tube	1, 2) Refrigerate
Gamma Glutamyl Transferase (GGT)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Gastrin (Pre/Post Prandial) - Baseline	REFERRED	M-W	10-15 days	1 ml serum harvested immediately	Red-top vacutainer	Freeze
Genetic Testing	REFERRED			There are a number of laboratories that offer this service.	Either Buccal cells or EDTA whole blood.	
Gentamicin	TDM	M-F	1-2 days	1 ml heparinized plasma	Green-top vacutainer	Refrigerate
Giardia <b>ELISA</b>	PARASIT	M-W	7-10 days	10 g fresh feces	Wide mouth, leak proof container	Refrigerate
Glucose	CHEM	M-Sat	1-2 days	1 ml serum or sodium fluoride or heparinized plasma	Red, grey-top or green vacutainer	Refrigerate
Gram Stain	BACT	M-Sat	1 day	1) Impression smear; 2) swab; 3) fluid or tissue; 4) feces	1) Slide; 2) transport media; 3, 4) sterile, screw cap container	
Granulosa Cell Tumor – Equine Inhibin, Testosterone and Progesterone	REFERRED	M-W	7-10 days	5.0 ml serum	Red-top vacutainer	Freeze
HCG Challenge – see Testosterone						
Haptoglobin	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze
Heartworm Antibody, <b>feline</b>	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Heartworm Antigen ( <b>canine, feline</b> )	PARASIT	M-F	1-2 days	1 ml serum or plasma	Red-top vacutainer	Refrigerate
Hemophilia panel (APTT,PT,TCT, Factor VIII:C, Factor IX:C, vWF:ag)	REFERRED	M-Th	3-5 days	1 ml Citrated plasma – A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
Histology Block-process & embedding (per tissue)	HISTO	M-F	Call Lab 902-566-0883	Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		
Histology Mail –  Small Box of slides Large Box of slides	HISTO	M-F		Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		
Histology Processing (per cassette)	HISTO	M-F	Call Lab 902-566-0883	Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Histology Processing & Stain (per cassette)	HISTO	M-F	Call Lab 902-566-0883	Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		
Histology Recut (per slide)	HISTO	M-F	Call Lab 902-566-0883	Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		
Histology Stain – Hematoxylin and Eosin (per slide)	HISTO	M-F	Call Lab 902-566-0883	Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		
Histology Unstained (per block)	HISTO	M-F	Call Lab 902-566-0883	Please refer to Histopathology Section, page 46 of the Diagnostic Services Manual		
Histoplasma Antigen	REFERRED	M-W	7-10 days	2 ml urine	Red-top vacutainer	Refrigerate
Histoplasma Serology (also, see Fungal Panel)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
HYPP Testing	REFERRED	M-W	7-10 days	12 hair roots (minimum)	Sterile, screw cap container	
Immunoglobulin – Quantitative - Canine IgA, IgG, IgM - Feline IgA, IgM - Equine IgG, IgM	REFERRED	M-W		1 ml serum	Red-top vacutainer	Refrigerate
Immunology – Flow or PARR Flow and PARR (one shipment) Other	REFERRED	M-W	7-10 days	Call the Lab for sample instructions and requisition 902-566-0860		
Immunoperoxidase	REFERRED	M-W	7-10 days	Tissue block	Block	
Infectious Bovine Rhinotracheitis (IBR), <b>FAT</b>	VIRO	M-f	1-2 days	<b>Dead:</b> spleen, kidney, lung, liver, adrenal gland	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Infectious Bovine Rhinotracheitis (IBR), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> nasal swab  <b>Dead:</b> spleen, kidney, lung, liver, adrenal gland	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Infectious Bovine Rhinotracheitis (IBR), <b>Serology</b> Single Sera <5 Single Sera >5 Paired Sera <5 Paired Sera >5	VIRO	M-F	7-21 days	1.0 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Infectious Bovine Rhinotracheitis (IBR), <b>VI</b>	VIRO	M-F	7-28 days	<b>Live:</b> Nasal swab  <b>Dead:</b> spleen, kidney, lung, liver, adrenal gland	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Infectious Bronchitis Virus (IBV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Dead:</b> Lung, trachea, kidney	Leak proof container	Refrigerate. Send in insulated container with Ice pack.

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Infectious Bursal Disease (IBD), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Dead:</b> bursae, spleen	Leak proof container	Refrigerate. Send in insulated container with Ice pack.
Infectious Canine Hepatitis (CAV-1), <b>Serology</b>	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Infectious Hematopoietic Necrosis Virus (IHNV), <b>PCR</b> : 1-9 samples 10-59 samples >60 samples	VIRO	M-F	1-2 days	Gill, spleen, pyloric ceca, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Infectious Hematopoietic Necrosis Virus (IHNV), <b>VI</b>	VIRO	M-F	21-30 days	Gill, spleen, pyloric ceca, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Infectious Laryngotracheitis (ILT), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> nasal swab, conjunctival swab <b>Dead:</b> larynx, trachea	Viral transport media (Contact Lab) Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Infectious Pancreatic Necrosis Virus (IPNV), <b>PCR</b> 1-9 samples 10-59 samples >60 samples	VIRO	M-F	1-2 days	Kidney, pancreas, spleen, pyloric ceca, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Infectious Pancreatic Necrosis Virus (IPNV), <b>VI</b>	VIRO	M-F	21-30 days	Kidney, pancreas, spleen, pyloric ceca, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Infectious Salmon Anemia Virus (ISAV), <b>PCR</b> 1-9 samples 10-59 samples >60 samples	VIRO	M-F	1-2 days	Kidney, heart, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Infectious Salmon Anemia Virus (ISAV), <b>VI</b>	VIRO	M-F	21-30 days	Kidney, heart, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Influenza A Matrix, <b>Real-Time PCR</b>	VIRO	Batched M-F		<b>Live:</b> tracheal swab, cloacal swab, oropharyngeal swab <b>Dead:</b> trachea, lung, spleen, kidney, brain	Viral transport media (contact lab)  Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Influenza A Typing – H5, <b>Real-Time PCR</b>	VIRO	Batched M-F		Positive Influenza A Matrix Samples		
Influenza A Typing – H7 <b>Real-Time PCR</b>	VIRO	Batched M-F		Positive Influenza A Matrix Samples		
Influenza A, pN1 Gene <b>Real-Time PCR</b>	VIRO	Batched M-F		Positive Influenza A Matrix Samples		
Insulin Autoantibodies	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze

Test Name	Discipline	Test Days	Turn Around Time(Days)	Samples	Container	Handling/ Storage
Insulin and Leptin – Equine only	REFERRED	M-Th	3-5 days	1) 2 ml serum or 2) 2 ml EDTA plasma	1) Red-top vacutainer 2) Purple-top vacutainer	Freeze
Insulin, Leptin and ACTH	REFERRED	M-Th	3-5 days	2 ml serum <b>and</b> 2 ml EDTA	Red-top vacutainer, Purple-top vacutainer	Freeze
Inhibin – Profile includes Inhibin, Testosterone, and Progesterone	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze
Insulin & ACTH, equine & canine	REFERRED	M-W	7-10 days	2 ml EDTA plasma ONLY	Plastic tube only	Freeze
Insulin: Glucose Ratio	REFERRED	M-W	3-5 days	1 ml separated serum	Red-top vacutainer	Freeze
Insulin-like Growth Factor-1 (IGF-1)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Ionized Calcium – non-VTH clients	REFERRED	MTh	3-5 days	1 ml serum	Red-top vacutainer	Refrigerate
Iron - Serum	CHEM	M-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Iron - Tissue	TOX	N/A Batched	1-10 days	1) 5 g liver; 2) 5 g kidney	1,2) Plastic bag(s)/Sterile, Screw cap container	Refrigerate
Johnes – Mycobacterium paratuberculosis ELISA 1-5 samples  >5 samples	REFERRED	M-F	2-4 days	1 ml serum	Red-top vacutainer	Refrigerate
Johnes – Mycobacterium paratuberculosis PCR 1-5 samples  >5 samples	REFERRED	M-F	2-4 days	5 g feces	Leak-proof container	Refrigerate
Keppra – Levetiracetam	REFERRED	M-Th	5-7 days	1 ml serum-collected after fasting	Red-top vacutainer-do not use gel separator tubes	Refrigerate
Ketones	CHEM	M-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Knott’s Technique (Microfilaria ID)	PARASIT	M-F	1-3 days	2 ml whole blood EDTA or heparin	Purple-top vacutainer	Refrigerate
Lactate	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Lactate Dehydrogenase (LDH)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Large Animal Panel – Down Cow	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Large Animal Panel – Liver	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Large Animal Panel – Kidney/ Fluid & Electrolyte	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Large Animal Panel – Neonatal	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Large Animal Panel – Surgical	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Large Animal Panel – Total Body	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate

<b>Test Name</b>	<b>Discipline</b>	<b>Test Days</b>	<b>Turn Around Time(Days)</b>	<b>Samples</b>	<b>Container</b>	<b>Handling/ Storage</b>
Lawsonia intracellularis    Serology PCR	REFERRED	M-Th	7-10 days 5-10 days	2 ml serum 5-10 g feces	Red-top vacutainer Leak-proof specimen container	Refrigerate
Lead (Blood)	TOX	M-F	1 day	1 ml heparinized blood	Green-top vacutainer	Refrigerate
Lead (Tissue)	TOX	N/A Batched	1-10 days	1) 5 g liver; 2) 5 g kidney	1-2) Plastic bag(s)/Sterile, Screw cap container	Freeze
Lead - RUSH			1-5 days			
Leishmania IFA, canine	REFERRED	M-Th	1-10 days	1 ml serum	Red-top vacutainer	Freeze
Leishmania – PCR	REFERRED	M-Th	5-7 days	2 ml whole blood in EDTA	Purple-top vacutainer	Refrigerate
Leptin – Equine only	REFERRED	M-Th	3-5 days	1) 2 ml serum <b>or</b> 2) 2 ml EDTA plasma	1) Red-top vacutainer 2) Purple-top vacutainer	Freeze
Leptin and Insulin – Equine only	REFERRED	M-Th	3-5 days	1) 2 ml serum <b>or</b> 2) 2 ml EDTA plasma	1) Red-top vacutainer 2) Purple-top vacutainer	Freeze
Leptin, Insulin and ACTH	REFERRED	M-Th	3-5 days	1) 2 ml serum <b>and</b> 2) 2 ml EDTA plasma	1) Red-top vacutainer 2) Purple-top vacutainer	Freeze
Leptospira canicola, canine	REFERRED	M-W	5-7 days	1 ml serum	Red-top vacutainer	Freeze
Leptospira Large Animal Screen (6 Serotypes)	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Refrigerate
Leptospira Panel – PCR and Serology (ELISA)	REFERRED	M-F	3-5 days	1) 2 ml serum and 2) 2 ml urine 3) 2 ml EDTA whole blood	1,2) Red-top vacutainer 3) Purple-top vacutainer	Refrigerate
Leptospira Panel – PCR, Serology (MAT)	REFERRED	M-Th	days	1)2 ml serum and 2: 2 ml urine or EDTA	Red-top vacutainer	Refrigerate
Leptospira Panel – PCR, Serology (MAT)	REFERRED	M-Th	3-5 days	1) 2 ml serum and 2) 2 ml urine and 3) 2 ml EDTA whole blood	1,2) Red-top vacutainer 3) Purple-top vacutainer	Refrigerate
Leptospira Small Animal Screen – Acute (6 Serotypes) - Convalescent (Discounted if the acute was handled by AVC)	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Refrigerate
Levetiracetam – Keppra	REFERRED	M-Th	3-5    5-7 days	1 ml serum – collected through sample after fasting	Red-top vacutainer – do not use gel separator tubes	Refrigerate
Lipase	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Liver Panel	CHEM	M-Sat	1-2days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Luteinizing Hormone – Canine/Feline - Equine	REFERRED	M-Th	3-5 days	2 ml serum	Red-top vacutainer	Freeze
Lyme Disease – SNAP 4DX Plus (Borrelia, Ehrlichia, Anaplasma, Dirofilaria)	PARASIT	M-Sat	1-3 days	1 ml serum or whole blood	Red-top vacutainer or Purple-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Lyme (IFA) – Feline only	REFERRED	M-F	7-10 days	1 ml separated serum	Red-top vacutainer	Refrigerate
Lyme Multiplex – Canine/Equine	REFERRED	M-Th	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Lyme (Quant C6 ELISA)	REFERRED	M-Th	5-7 days	1 ml separated serum	Red-top vacutainer	Refrigerate
MDR-1 (Multi-Drug Sensitivity )	REFERRED	M-W	7-10 days	2 buccal cell brushes	Envelope	
Magnesium (serum)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Malignant Catarrhal Fever (MCF), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood <b>Dead:</b> kidney, liver, brain	Purple-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Malachite Green (per sample)	TOX	N/A Batched	Call Lab 902-566-0833	1) 10 g feed; 2) 100 g fillets – (boneless/skinless)	1,2) Plastic bag(s)/Sterile, screw cap container	Freeze
Masticatory Muscle Myositis – 2M Antibody	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Freeze
Mastitis – Culture only (includes CMT) ( < 10 samples) ( > 10 samples)	BACT	M-Sat	1-2 days	Milk (see method of collection in Bacteriology section of Reference Manual)	Sterile, screw cap container	Refrigerate/Freeze
Mastitis – Antimicrobial susceptibility testing - per isolate						
CMT Only (California mastitis test)						
Mercury (Blood, Tissue)	REFERRED	M-F	10 days	1) 2 ml heparinized blood; 2) 2 ml EDTA; 3) 1 g tissue	1) Green-top vacutainer; 2) Purple-top vacutainer; 3) Plastic bag	1, 2 & 3 Freeze
Metabolic Screening – PennGenn	REFERRED	M-W	7-10 days	1) 3-5 ml urine and 2) 1-2 ml whole blood in EDTA (optional)	1) Red-top vacutainer 2) Purple-top vacutainer	1) Freeze 2) Refrigerate
Metabolic Syndrome Diagnostic Plan – Equine ACTH, Insulin, Leptin, Glucose and T4	REFERRED	M-W	5-7 days	1) 1 ml EDTA plasma and 2) 1 ml serum each separated from the cells within 4 hours of collection	1) Purple--top vacutainer 2) Red-top vacutainer	Freeze
Mink Enteritis Virus (MEV), <b>ELISA</b>	VIRO	M-F	1-2 days	<b>Live:</b> feces <b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Mink Enteritis Virus (MEV), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Mink Enteritis Virus (MEV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> feces <b>Dead:</b> intestine	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Monensin – Ionophore (Monensin,Lasalocide,Salinomycin)	REFERRED	M-Th	7-10 days 1-3 days	100 g Feed 10 ml heparinized whole blood	Dry Container Green-top vacutainer	Room temperature Refrigerate
Muscle Profile	REFERRED	M-W	7-10 days	Fresh muscle	Plastic bag(s)/ sterile, screw cap container	Freeze Please call for details

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Muscle and Nerve Profile	REFERRED	M-W	7-10 days	Detailed instructions for collection. Call Lab 902-566-0860	Detailed instructions for storage. Call lab 902-566-0860	Call Lab
Myasthenia Gravis (Acetylcholine Receptor Antibody)	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Mycobacterium paratuberculosis (Johnes) <b>ELISA</b> 1-5 samples >5 samples	REFERRED To MQM AVC	M-W	5-7 days	2 ml serum	Red-top vacutainer	Refrigerate
Mycobacterium paratuberculosis (Johnes) <b>PCR</b> 1-5 samples >5 samples	REFERRED To MQM AVC	M-F	1-3 days	5 g feces	Leak proof container	Refrigerate
Mycobacterium sp. (gene sequencing)	REFERRED	M-W	7-10 days	Pure Culture	TSA slant	Refrigerate
Mycology	BACT	M-Sat	30 days	Hair, skin scraping (may include scalpel in a safe container)	Sterile, wide-mouth container. No paper envelopes.	Refrigerate
Mycoplasma Culture	REFERRED	M-W	10-21 days	1) Fresh (preferred) or frozen tissue; 2) swab; 3) fluid	1) Plastic bag(s); 2) transport medium; 3) sterile, screw cap container	Refrigerate/Freeze
Mycoplasma canis Culture (followed by FA to speciate)	REFERRED	M-W	14 days	Vaginal swab	Gelled transport media; NO charcoal	On ice ASAP
Mycoplasma gallisepticum, M. hyopneumonia, M. hyorhinis, M. hyosynoviae, M. bovis ( <b>PCR</b> )	REFERRED	M-W	5-10 days	Fresh or frozen tissue	Plastic bag(s)	Refrigerate/Freeze
Mycoplasma hemofelis <b>PCR</b>	REFERRED	M-W	7-10 days	1 ml EDTA whole blood	Purple-top vacutainer	Refrigerate
Mycoplasma hemocanis <b>PCR</b>	REFERRED	M-W	7-10 days	1 ml EDTA whole blood	Purple-top vacutainer	Refrigerate
Mycoplasma hyopneumoniae (Mycos), <b>ELISA</b>	REFERRED			1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with ice pack.
Mycotoxin Screen – per analyte	REFERRED	M-F	10 days	100 g feed	Plastic bag(s)/Sterile, screw cap container	
Neorickettsia risticii (Potomac Horse Fever)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Neospora (ELISA) (1 sample) (> 1 sample)	PARASIT	M-F	1-2 days	1) 1 ml serum; 2) 1 ml whole blood EDTA	1) Red-top vacutainer 2) Purple-top vacutainer	Refrigerate
Nerve Profile – First Nerve - Additional Nerve	REFERRED	M-W	7-10 days	Please call Lab 902-566-0860 for detailed instructions	Sterile, screw cap container	
Nerve and Muscle Profile	REFERRED	M-W	7-10 days	Please call Lab 902-566-0860 for detailed instructions	Call Lab	Call Lab
Newcastle Disease (NDV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> Cloacal swab <b>Dead:</b> Brain, lung, kidney, spleen	Viral transport medium (contact lab) Leak proof container	Refrigerate. Ship in insulated container with Ice pack.

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Non-Esterified Fatty Acid 1 Sample Each additional sample (Sent at the same time.)	REFERRED	M-W	7-10days	1) 1 ml separated serum or heparinized plasma; 2) 1 ml EDTA	1) Red-top vacutainer 2) Purple-top vacutainer	Refrigerate
Orthopedic Foundation Association Register Thyroid Function (Also need \$15 US to OFA included with submission)- <b>Call Lab for payment details.</b>	REFERRED	M-W	10-14 days	2 ml separated serum	Red-top vacutainer	Freeze
Osmolarity – serum, urine Calculated Freezing Point	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma or urine	Red-top vacutainer Green-top vacutainer	Refrigerate
Ovine Herpes Virus, See Malignant Catarrhal Fever						
Oxytetracycline (per sample) <b>*ISO/IEC 17025 Accredited</b> <b>*Information may be released if it is required by law or authorized by contractual arrangements to the accreditation or other regulatory body</b>	TOX	N/A Batched	1-10 days	1) 10 g feed 2) 100 g salmon flesh (boneless/skinless)	Plastic bag(s)/Screw cap container	Freeze
RUSH (per sample)			1-5 days			
Parainfluenza (PI3), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> lung	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Parainfluenza (PI3), <b>Serology</b> Single Sera <5 Single Sera >5 Paired Sera <5 Paired Sera >5	VIRO	W-F	7-21 days	1.0 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Parainfluenza (PI3), <b>VI</b>	VIRO	M-F	7-28 days	<b>Live:</b> Nasal swab  <b>Dead:</b> Lung	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Parasite Identification	PARASIT	M-F	1-2 days	Parasite (Refer to Diagnostic Services Manual for preservation)	Sterile, screw cap container	
Parasite Identification - Referral	PARASIT	M-F	7-10 days	Parasite (Refer to Diagnostic Services Manual for preservation)	Sterile, screw cap container	
Parathyroid Hormone and Ionized Calcium	REFERRED	M-W	5-7 days	2 ml separated serum separated immediately from the cells.	Red-top vacutainer	Freeze Immediately
Parathyroid Profile – (PTH, ionized Calcium and PTH related protein)	REFERRED	M-W	5-7 days	1) 2 ml separated serum <b>AND</b> 2) 1 ml EDTA plasma – each separated immediately from the cells.	1) Red-top vacutainer; 2) Purple-top vacutainer	Freeze Immediately Samples must be submitted together.
Parentage Tests (most species)	REFERRED	M-W	7-10 days	Buckle cell swab	Plastic sleeve	



<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
PARR – Lymphoma In addition to Flow (when sent together)	REFERRED	M-W	7-10 days	Please call lab for sample instructions. 902-566-0860		
Pasturella multocida toxin, <b>ELISA-Ag-toxin or PCR</b>	REFERRED	M-W	5-8 days	Please call lab for sample instructions 902-566-0860		
PCV only PCV and Protein	HEMA	M-F	1-2 days	3 ml whole blood EDTA	Purple-top vacutainer	Refrigerate
Phenobarbital	TDM	M-F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Phenobarbital/ Potassium bromide	TDM	T and F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Phenylbutazone	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Phenytoin (Dilantin)	TDM	M-F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Phosphorus	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Platelet Function	REFERRED	M-W	5-8 days	Please call lab for sample instructions. 902-566-0860		
PLI	REFERRED	M-W	7-10 days	2 ml serum after 12-18 hour fast	Red-top vacutainer	Refrigerate
PLI/ TLI	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
PLI/ TLI/ B12/ Folate	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
cPL (SNAP) (Canine)	CHEM	M-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
fPL (SNAP) (Feline)	CHEM	M-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Porcine Circovirus Type 2 (PCV2), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> intestine, mesenteric lymph node, lung, tonsil	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Circovirus Type 2 (PCV2), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Dead:</b> intestine, mesenteric lymph node, lung, tonsil	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Circovirus Type 2 (PCV2), <b>VI</b>	VIRO	M-F	7-28 days	<b>Dead:</b> intestine, mesenteric lymph node, lung, tonsil	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Delta Coronavirus (PDCoV), <b>Real-Time PCR</b>	VIRO	M-F	1-2 days 1	<b>Live:</b> fecal swab  <b>Dead:</b> intestine	Viral transport medium (contact lab 902-566-0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Epidemic Viral Diarrhea (PEDV), <b>Real-Time PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> Fecal swab  <b>Dead:</b> intestine	Viral transport medium (contact lab 902-566-0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Porcine Epidemic Viral Diarrhea (PEDV), <b>Sequencing</b>	REFERRED		21-30 days	<b>Live:</b> fecal swab <b>Dead:</b> intestine	Viral transport medium (contact lab 902-566-0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Parvovirus (PPV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Dead:</b> lung	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Porcine Reproductive & Respiratory Syndrome (PRRS), <b>ELISA</b>	REFERRED		7-10 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Porcine Reproductive & Respiratory Syndrome (PRRS), <b>FAT</b>	VIRO	M-F	1-2 days	<b>Dead:</b> lung, brain, tonsils	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Reproductive & Respiratory Syndrome (PRRS), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Dead:</b> lung, brain	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Reproductive & Respiratory Syndrome (PRRS) - For Artificial Insemination, <b>PCR</b>	VIRO	Mon	1-2 days	Blood swabs in 0.5 ml PBS	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Reproductive & Respiratory Syndrome (PRRS), <b>Sequencing</b>	REFERRED		10-15 days	1 ml serum Blood swabs in 0.5 ml PBS	Red-top vacutainer Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Porcine Reproductive & Respiratory Syndrome (PRRS), <b>VI</b>	VIRO	M-F	7-28 days	<b>Dead:</b> lung, brain, tonsils	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Post Mortem – Full Necropsy - Bovine/Equine (>200 kgs) - Bovine/Equine (<200 kgs) - Caprine/Ovine/Porcine (>18 kgs) - Caprine/Ovine/Porcine (<18 kgs) - Canine/Feline	NECRO	M-F	7-12 days	Body		Refrigerate/send on ice
Post Mortem – Partial - Bovine/Equine (ex. head or limb)	NECRO	M-F	7-12 days	Body		Refrigerate/send on ice
Post Mortem – Gross Exam Only - Bovine/Equine (>200 kgs) - Bovine/Equine (<200 kgs) - Caprine/Ovine/Porcine (>18 kgs) - Caprine/Ovine/Porcine (<18 kgs) - Canine/Feline	NECRO	M-F	1-2 days	Body		Refrigerate/send on ice
Post Mortem – Gross Exam & Histology - Bovine/Equine (>200 kgs) - Bovine/Equine (<200 kgs) - Caprine/Ovine/Porcine (>18 kgs) - Caprine/Ovine/Porcine (<18 kgs) - Canine/Feline	NECRO	M-F	7-12 days	Body		Refrigerate/send on ice

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Post Mortem – Gross with Bacti/Viro. - Bovine/Equine (>200 kgs) - Bovine/Equine (<200 kgs) - Caprine/Ovine/Porcine (>18 kgs) - Caprine/Ovine/Porcine (<18 kgs) - Canine/Feline	NECRO	M-F	4-7 days	Body		Refrigerate/send on ice
Post Mortem – Poultry	NECRO	M-F	7-12 days	Body		Refrigerate/send on ice
Post Mortem – Small Exotics (Fur bearing animals, rabbits, pet birds, Rodents, lizards, snakes and lab animals)	NECRO	M-F	7-12 days	Body		Refrigerate/send on ice
Post Mortem – Large Exotics (Llama, alpaca, buffalo and large zoo Animals)	NECRO	M-F	7-12 days	Body		Refrigerate/send on ice
Post Mortem – Insurance Fee	NECRO	M-F				
Post Mortem – Legal Fee	NECRO	M-F				
Potassium	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Potassium Bromide	TDM	T & F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Potomac Fever, equine	REFERRED	M-W	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Pregnancy check – Relaxin (Canine/Feline)	REFERRED	M-Th	5-7 days	1 ml serum – collected 20-31 days post breeding	Red-top vacutainer	Refrigerate
Primidone	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Procainamide	REFERRED	M-F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Progesterone (please call ahead for Monday and Saturday submissions – 566-0860)	ENDO	T-Sat	1-2 days	2 ml serum	Red-top vacutainer	Refrigerate
Protein, Total	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Protein C	REFERRED	M-W	3-5 days	1 ml Citrated plasma – Call Lab for detailed instruction. 902- 566-0860	Blue-top vacutainer	
Protein Electrophoresis	CHEM	W	1-7 days	1 ml serum	Red-top vacutainer	
Prothrombin Time (PT)	COAG	M-F	Same Day	1 ml Citrated plasma A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red- topped vial. Freeze
PSSM – Polysaccharide Storage Myopathy - Genetics Muscle Biopsy	REFERRED	M-W	3-5 days	1) 20 hair roots 2) Biopsy – call 902-566-0860	Red-top vacutainer As per instructions	1) Room Temperature 2) As per instructions
Q-Fever – Coxiella brunetti	REFERRED	M-W	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Quant C6 – Borrelia burgdorferi- Lyme Disease – Canine	REFERRED	M-Th	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Rabies Titre – FAVN Report couriered to client from Kanas State	REFERRED		14-21 days	Paid by Client by credit card before submission to AVC Diagnostic Services		Refrigerate
Rabies Titre – FAVN – STAT Service	REFERRED		7-14 days	Paid by Client by credit card before submission to AVC Diagnostic Services		
- Rabies Titre – Export (FAVN)	REFERRED	M-W	3-5 weeks	1 ml serum Call Lab 902-566-0860 for details and requisition.	Red-top vacutainer	Freeze
Rabies Titre – Diagnostic (RFFIT)	REFERRED	M-W	3-5 weeks	1 ml serum	Red-top vacutainer	Refrigerate
Red Blood Cell (RBC) Antibody – Neonatal Isolation	REFERRED	M-W	7-10 days	1) 2 ml serum; 2) 2 ml whole blood EDTA	1) Red-top vacutainer 2) Purple-top vacutainer	Refrigerate
Relaxin (canine/feline)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Rheumatoid Factor (RF)	REFERRED	M-W	7-10 days	1 ml separated serum or heparinized plasma	Red-top vacutainer	Refrigerate
Rickettsia (IFA)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Rodenticide/Anti-coagulant Screen	REFERRED	M-W	5-7 days	1) 10-20 ml heparinized whole blood and 2) 50 ml urine	1) Green-top vacutainer 2) Sterile Container	Refrigerate
Rotavirus “A”, <b>ELISA</b>	VIRO	Fri	1-2 days	<b>Live:</b> feces <b>Dead:</b> colon, ileum, jejunum (tie both ends)	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Salmonella sp. screening	BACT	M-Sat	4-6 days	Feces; Fecal swab	Sterile, screw cap container	Refrigerate
Salmonella sp. (serotyping and phage typing)	REFERRED	M-W	5-7 days	Pure Culture	TSA/BA slants with screw caps	Refrigerate
Sarcocystis neruona (EPM) Western Blot IFA	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Refrigerate
Save Sample	CHEM	M-Sat		Saved 3 months at -20C	Serum/Plasma	
SDMA – Symmetric dimethylarginine	REFERRED	W	2-3 days	1 ml serum	Red-top vacutainer	Refrigerate
Sedimentation	PARASIT	M-F	1-2 days	5 g feces	Sterile, screw cap container	Refrigerate
Selenium, serum (per sample)	TOX	N/A Batched	1-10 days  1-5 days	2 ml serum	Red-top vacutainer	Freeze
Selenium, tissues (per sample)	TOX	N/A Batched	1-10 days  1-5 days	1) 5 g liver; 2) 5 g kidney	1, 2) Plastic bag(s)	Freeze
Serum Amyloid A	REFERRED	M-W	5-7 days	1) 1 ml serum or 2) 1 ml heparinized plasma	1) Red-top vacutainer 2) Green-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Single Panel Test	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Skin Scraping	PARASIT	M-F	1-2 days	Refer to Diagnostic Services Manual	Sterile, screw cap container	
Small Animal Biochemistry – Kidney/ Fluid & Electrolyte Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Small Animal Biochemistry – Liver Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Small Animal Biochemistry – Senior Wellness Panel (Geriatric)						
Feline Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Canine Panel						
Small Animal Biochemistry – Surgical Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Small Animal Biochemistry – Total Body Panel	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
SNAP 4Dx Plus (Borrelia, Ehrlichia, Anaplasma, Dirofilaria)	PARASIT	M-Sat	1-3 days	1 ml serum or 1 ml whole blood	Red-top vacutainer Purple-top vacutainer	Refrigerate
Sodium	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Sorbitol Dehydrogenase (SDH)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Streptococcus equii, SeM protein	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Refrigerate
Streptococcus equii, SeM gene PCR	REFERRED	M-W	5-10 days	1) nasal swab 2) guttural pouch lavage	1) Non-culture swab in a red-top tube 2) 1-3 ml in an EDTA (purple top) tube	Refrigerate
Streptococcus suis (serotyping – serotypes 1-9)	REFERRED	M-W	5-8 days	Pure Culture	BA slant	Refrigerate
Surgical Panel (Large/ Small Animal)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Swine Influenza Genotyping, <b>PCR</b>	REFERRED					
Swine Influenza Matrix (SIV), <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> nasal swab  <b>Dead:</b> lung	Viral transport medium (contact lab 902-566- 0877) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
T3	ENDO	T-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
T3/ T4	ENDO	T-Sat	1-2 days	2 ml serum	Red-top vacutainer	Refrigerate
T4	ENDO	T-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
T4/ TSH (Canine/Feline)	ENDO	T-Sat	1-2 days	2 ml serum	Red-top vacutainer	Refrigerate
Thyroglobulin Autoantibody (TgAA)-Canine	REFERRED	M-W	5-7 days	1 ml serum	Red-top vacutainer	Freeze

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Thyroid Diagnostic Profile – Canine Total T3, Total T4, Free T3, Free T4 by dialysis, TSH, T3, T4AA, TgAA	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Freeze
Thyroid Diagnostic Profile – Feline Total T3, Total T4, Free T3, Free T4 by dialysis, TSH	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Freeze
TSH (Canine/Feline)	ENDO	T-Sat	1-2 days	1 ml serum	Red-top vacutainer	Freeze
Taurine – single sample	REFERRED	M-W	7-10 days	1 ml heparinized plasma OR 1 ml heparinized whole blood	Green-top vacutainer (Whole blood is recommended as the single sample)	Freeze
Taurine – two samples (Recommended method)	REFERRED	M-W	7-10 days	1 ml heparinized plasma <b>AND</b> 1 ml heparinized whole blood	Green=top vacutainer	Freeze
Testosterone – first sample - subsequent samples	REFERRED	M-W	7-10 days	2 ml separated serum	Red-top vacutainer	Freeze
Theophylline	REFERRED	M-F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Thrombin Clotting Time (TCT)	REFERRED	M-F	1-2 days	1 ml citrated plasma	Blue-top vacutainer	Freeze
Thyroglobulin Autoantibody (TgAA) Canine	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Thyroid Panel, canine Total T3, Total T4, Free T3, Free T4 by dialysis, TSH, T3, T4AA, TgAA	REFERRED	M-W	7-10 days	2 ml serum	Red-top vacutainer	Freeze
Thyroid panel, feline Total T3, Total T4, Free T3, Free T4 by dialysis, TSH	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Freeze
Thyroxine – Total T4 Canine,Feline,Equine	ENDO	T-Sat	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
TIBC (Total Iron Binding Capacity)	REFERRED	M-F	1-2 days	1 ml serum	Red-top vacutainer	Refrigerate
Tick Panel (Serology) – <b>IFA</b> B. burgdorferi, B. canis, E. canis, A.phagocytophilum, R. Rickettsii	REFERRED	M-W	5-7 days	2 ml serum	Red-top vacutainer	Refrigerate
Tick Borne Disease - <b>PCR</b>	REFERRED	M-W	7-10 days	1) 1 ml serum; 2) tick	1) Red-top vacutainer; 2) sterile, screw cap container	1) Refrigerate
Tick Borne Comprehensive – <b>Serology and PCR</b> (Canine) B.canis, B.gibsoni, E.canis, R.rickettsii, B.henselae, B.vinsoni, B.kochlerae (by IFA) and Lyme, Anaplasma, Ehrlichia and Heartworm (by SNAP4Dx) paired with PCR (DNA) testing to detect presence of Babesia, Bartonella, Anaplasma, Ehrlichia, Rickettsia and hemotropic Mycoplasma organisms	REFERRED	M-W	5-7 days	1) 2 ml serum; and 2) 2 ml whole blood	1 )Red-top vacutainer 2) Purple-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
Tick Borne Comprehensive – <b>Serology and PCR</b> (Feline) Serology testing for B.henselae, B.vinsoni, B.kochlerae (by IFA) and Lyme, Anaplasma, Ehrlichia and Heartworm (by ELISA) paired with PCR (DNA) testing to detect presence of Babesia, Bartonella, Anaplasma, Ehrlichia, Rickettsia and hemotropic Mycoplasma organisms	REFERRED	M-W	5-7 days	1) 2 ml serum; and 2) 2 ml whole blood	1 )Red-top vacutainer 2) Purple-top vacutainer	Refrigerate
TIBC (Total Iron Binding Capacity)	REFERRAL	M-Th	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
TLI (Trypsin-Like Immunoreactivity)	REFERRED	M-W	7-10 days	2 ml serum after 12-18 hr fast	Red-top vacutainer	Refrigerate
TLI/ PLI	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
TLI/B12/Folate	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
TLI/ PLI/ B12/ Folate	REFERRED	M-W	7-10 days	2 ml serum after 12-18hr fast	Red-top vacutainer	Refrigerate
Total Body Panel (Large/ Small Animal)	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Total Protein	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Toxoplasmosis Serology - IgG	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer	Refrigerate
Toxoplasmosis Serology –(IgG/IgM)	REFERRED	M-W	7-10 days	1 ml serum	Red-top vacutainer;	Refrigerate
Transmissible Gastroenteritis Virus (TGEV), <b>PCR</b>	VIRO	M-F	2-3 days	<b>Live:</b> feces <b>Dead:</b> ileum, colon	Leak proof container	Refrigerate. Ship in insulated container with Ice pack
Transmissible Gastroenteritis Virus (TGEV), <b>Serology</b> Single sera <5 Single sera >5 Paired sera <5 Paired sera >5	VIRO	W-F	7-21 days	1 ml serum	Red-top vacutainer	Refrigerate. Ship in insulated container with Ice pack
Transportation of Dangerous Goods (TDG)	REFERRED			To refer specimens outside Canada without reporting to Diagnostics		
Triglycerides	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Tritrichomonas foetus – Bovine, Feline - <b>PCR</b> - <b>Culture</b>	REFERRED	M-W	5-7 days 5-21 days	<b>Feline</b> – fresh fecal <b>Bovine</b> – swab inoculated into media pouch	Stable 2-3 days post sampling Fresh and incubated at 37C	Refrigerate Incubate
Troponin – must be measured within 30 minutes of collection.	CHEM	M-Sat	1 day	1ml Heparinized whole blood	Green-top vacutainer	Refrigerate
Troponin – for samples outside the 30 minute testing protocol.	REFERRED	M-Th	2-3 days	1 ml serum	Red-top vacutainer	Refrigerate

<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
TSH (Thyroid Stimulating Hormone), Canine/Feline	ENDO	M-Sat	1-3 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Urea	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Uric Acid	CHEM	M-Sat	1-2 days	1 ml serum or heparized plasma	Red-top vacutainer Green-top vacutainer	Refrigerate
Urinalysis (Chemistry)	CHEM	M-Sat	1-2 days	5-10 ml fresh urine	Sterile, screw cap container	Refrigerate
Urine (Cytology)	CYTO	M-F	1-2 days	1)Intact urine 2) Air-dried smears of urine sediment	1) Leak proof container 2) Slide mailer	
Urine Cortisol/ Urine Creatinine Ratio	ENDO	M-Sat	1-2 days	2 ml fresh urine	Plain glass or plastic tube	Refrigerate
Urine Protein/ Urine Creatinine Ratio	CHEM	M-Sat	1-2 days	2 ml fresh urine	Plain glass or plastic tube	Refrigerate
Vector Borne Disease Comprehensive Serology and PCR (Canine/Feline) See Tick-Borne for details	REFERRED	M-W	5-7 days	1) 2 ml serum and 2) 2 ml EDTA whole blood	1) Red-top vacutainer 2) Purple-top vacutainer	Refrigerate
Vector Borne Disease Profile – <b>IFA</b>	REFERRED	M-W	5-7 days	1 ml serum	Red-top vacutainer	Refrigerate
Vector Borne Disease SNAP 4Dx Plus (Borrelia, Ehrlichia, Anaplasma, Dirofilaria)	PARASIT	M-Sat	1-3 days	1 ml serum or whole blood	Red-top vacutainer or Purple-top vacutainer	Refrigerate
Viral Hemorrhagic Septicemia Virus (VHSV), <b>PCR</b> : 1-9 samples 10-59 samples >60 samples	VIRO	M-F	1-2 days	Kidney, spleen, ovarian fluid, seminal fluid	Leak proof container	Refrigerate. Ship in insulated container with Ice pack.
Viral Hemorrhage Septicemia Virus (VHSV), <b>VI</b>	VIRO	M-F	21-20 days	Kidney, spleen, ovarian fluid, seminal fluid	Lead proof container	Refrigerate. Ship in insulated container with Ice pack.
Vitamin A	TOX	N/A Batched	1-10 days	3 ml serum	Red-top vacutainer	Freeze
Vitamin A/ E	TOX	N/A Batched	1-10 days	3 ml serum	Red-top vacutainer	Freeze
Vitamin B12 (cobalamin)/Folate	REFERRED	M-W	7-10 days	1 ml serum after 12-18 hr fast	Red-top vacutainer	Freeze
Vitamin D	REFERRED	M-W	5-7 days	1 ml separated serum	Red-top vacutainer	Freeze
Vitamin D Profile (Vitamin-D, iCalcium, PTH)	REFERRED	M-W	5-7 days	2 ml separated serum	Red-top vacutainer	Freeze
Vitamin E, serum	TOX	N/A Batched	1-10 days	3 ml serum	Red-top vacutainer	Freeze
<b>Rush</b>			1-5 days			
Vitamin E, tissue	TOX	N/A Batched	1-10 days	5 g liver	Plastic bag(s)	Freeze
<b>Rush</b>			1-5 days			



<i>Test Name</i>	<i>Discipline</i>	<i>Test Days</i>	<i>Turn Around Time(Days)</i>	<i>Samples</i>	<i>Container</i>	<i>Handling/ Storage</i>
von Willibrand Disease – Genetics testing - Canine – Breed specific	REFERRED	M-W	5-7 days	2-3 buccal cell brushes	Red-top vacutainer	Refrigerate
von Willebrand Factor (vWF:Ag)	REFERRED	M-W	3-5 days	1 ml Citrated plasma A dilution of 9 : 1 (Blood : Anticoagulant ) is critical.	Blue-top vacutainer	Centrifuge immediately. Transfer plasma to a red-topped vial. Freeze
West Nile Virus (WNV) – Avian, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> Oropharyngeal swab <b>Dead:</b> Brain, heart, kidney	Viral Transport Medium (contact lab) Leak proof container	Refrigerate. Ship in insulated container with Ice pack
West Nile Virus (WNV) – Equine, <b>PCR</b>	VIRO	M-F	1-2 days	<b>Live:</b> 2 ml whole blood CSF <b>Dead:</b> brain, spinal cord, kidney	Purple-top vacutainer Leak proof container Leak proof container	Refrigerate. Ship in insulated container with Ice pack
White Blood Cell Differential	CYTO	M-F	1-2 days	2 air dried, unfixed smears	Smears made from whole blood in EDTA (Purple-top vacutainer)	More diagnostic information available if an EDTA tube is also submitted and a full CBC is performed rather than just the differential.
Zinc, serum	TOX	N/A Batched	1-10 days	2 ml serum	Red-top vacutainer	Freeze
Zinc, tissue	TOX	N.A Batched	1-10 days	1) 5 g liver; 2) 5 g kidney	1, 2) Plastic bag(s)	Freeze
Zinc – <b>Rush:</b> Serum Tissue	TOX	N/A Batched	1-5 days 1-5 days	2 ml serum 1) 5 g liver; 2) 5 g kidney	Red-top vacutainer 1,2) Plastic bags(s)	Freeze
Zonisamide	REFERRED	M-W	5-7 days	1 ml serum – fasted. Trough sample	Red-top vacutainer	Refrigerate

