



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
2M Antibody (Masticatory Muscle Myositis)	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
5-fluorouracil Analysis (5-FU)	LCMS	Requires Antineoplastic Swipe Kit	Supplied with kit	Store at 4°C after sampling. Ship on ice packs.	1 - 2 Days		
A:G Ratio		See Total Protein/Albumin/Globulin Panel					
Acetylcholine Receptor Antibody		See Myasthenia Gravis					
ACTH Stimulation Test	IMMUL	Serum - 0.2 mL for each sample Cost includes 2 cortisols, additional cortisols are \$20.00 each. See Appendix for ' Protocols for Testing Adrenal Function '.	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
ACTH, Endogenous (Adrenocorticotrophic hormone) Chemiluminescence Canine, Equine	REF OUT	EDTA plasma - 1 mL Fasting sample. Avoid lipemia.	Purple top tube	Centrifuge immediately after collection. Transfer to plastic tube and freeze immediately. Ship on ice packs. Must arrive at lab below 60°F.	1 Week		
Actinobacillus pleuropneumoniae Serology (Multi-APP test)	ELISA	Serum - 1 mL Referred out test.	Red top tube	Refrigerate. Ship on ice packs.	3 - 7 Days		
Adenovirus		See Vaccine Panel					
Adrenal Panel Canine	REF OUT	Serum - 2 mL for each sample. Collect post sample 1 hr. after injection (2 hrs. if gel ACTH is used). Gross hemolysis will affect the test. Cortisol, estradiol, androstenedione, 17-hydroxyprogesterone, progesterone and testosterone.	Red top tube	Centrifuge ASAP, separate and freeze. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		



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Adrenal Panel Ferret	REF OUT	Serum - 0.5 mL Avoid hemolysis and lipemia. Estradiol, androstenedione and 17-hydroxyprogesterone.	Red top tube	Centrifuge ASAP, separate and freeze. Ship on ice packs. Include a completed "Agent for Shipment" form and a health certificate.	2 Weeks		
Alanine Aminotransferase (ALT)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Albumin	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Aldosterone Canine, Equine, Feline	REF OUT	EDTA plasma or serum - 0.5 mL	Purple or red top tube	Centrifuge within 30 mins of collection. Freeze. Ship on ice packs. Include a completed "Agent for Shipment" form.	1 Week		
Alkaline Phosphatase Isoenzyme Canine	REF OUT	Serum or heparinized plasma - 0.5 mL Includes alk phos and alk phos isoenzyme. NOTE: this only tests for steroid induced alk phos isoenzyme.	Red or green top tube	Freeze. Ship on ice packs.	1 Week		
Alkaline Phosphatase (ALP)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Allergy Panel - Environmental Canine, Feline	REF OUT	Serum - 2 mL Contact lab for additional information/ test selection.	Red top tube	Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	1 Week		
Allergy Screen - Food Panel Canine, Feline	REF OUT	Serum - 1 mL IGE for 24 pet food components.	Red top tube	Refrigerate up to 14 days. Freeze for longer storage. Ship on ice packs.	1 Week		



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ALP (Alkaline Phosphatase)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
ALT (Alanine Aminotransferase)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Ammonia VMC clients only	REF OUT	Heparinized whole blood - 1 mL Sample must be analyzed within 30 mins of collection or centrifuged immediately and plasma frozen. Avoid hemolysis.	Green top tube	Centrifuge immediately. Freeze plasma. Ship plasma on ice.	1 Day		
Amylase	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See also Canine Standard Panel or Pancreas Panel .	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Anaplasma genera PCR	REF OUT	EDTA whole blood - 2 mL (minimum - 1 mL) A. phagocytophilum and A. platys.	Purple top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	4 Weeks		
Anaplasma phagocytophilum and Anaplasma platys IDEXX SNAP® 4Dx Plus Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL See Tick Transmitted Disease Panel .	Purple, green or red top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Anaplasma	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Anthrax	DIRECT EXAM & CULT	Fresh blood or spleen. Confirmation by PCR.	Leak proof container	Ship on ice packs.	2 Days		
Anthrax	PCR	Confirmation by PCR			1 Day		
Antimicrobial Sensitivity Additional charge per significant organism	KIRBY BAUER	Bacterial Culture	Leak proof container		1 Day		



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Antimony		See Mineral Panel #4					
Antineoplastic Swipe Kit - 12 piece	LCMS			Refrigerate. Ship on ice packs.			
Antineoplastic Swipe Kit - 6 piece	LCMS			Refrigerate. Ship on ice packs.			
Antinuclear Antibody Canine only	IFA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Days		
Anti-Thrombin III (ATIII)	REF OUT	Citrated plasma - 0.5 mL Recollect if 1+ hemolysis. Send a normal animal sample along with the patient. Citrated collection tubes available, contact lab.	Blue top tube (citrate). Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plastic tube or plastic syringe. DO NOT use red top tube. Ship frozen. Sample must arrive frozen.	Phone		
Arsenic		See Mineral Panel #3 or #4					
Asparate Aminotransferase (AST)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Aspergillus Serology	REF OUT	Serum - 1 mL (minimum - 0.1 mL) See also Fungal Panel.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	1 Week		
AST (Asparate Aminotransferase)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
ATIII		See Anti-Thrombin III					
Avian Influenza AI matrix PCR - positive Typing (H5;H7) CFIA Accredited Test	PCR	Swabs in Transport Medium Submit sample by 10:00 A.M.	Leak proof container	Refrigerate. Ship on ice packs.	1 Day		
Avian Mini Panel	CHEM	Heparinized plasma or serum - 0.2 mL Ca, Pi, glu, CK, AST, uric acid	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		



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Avian Paramyxovirus 1 (Newcastle Disease Virus)	PCR	Tissue or swab Submit sample by 10:00 A.M.	Leak proof container or swab	Refrigerate. Ship on ice packs.	1 Day		
Avian Paramyxovirus 1 (Newcastle Disease Virus) Fusion Gene	PCR	Done on Avian Paramyxovirus Matrix PCR positive samples.					
Avian/Reptile/Amphibian Mini Plus Panel	CHEM	Heparinized plasma or serum - 0.2 mL Ca, Pi, glu, CK, AST, uric acid, Tprot, alb, glob, A:G ratio	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		
Avian/Reptile/Amphibian Standard Panel	CHEM	Heparinized plasma or serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, glu, CK, AST, GLDH, GGT, Chol, Tprot, alb, glob, A:G ratio, uric acid, bile acids. *If NSQ for standard panel, Avian Mini Panel plus Bile Acids will be run.	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		
B12		See Cobalamin					
Babesia gibsoni IFA For Export to New Zealand Canine	REF OUT	Serum - 1 mL Includes Babesia canis and Babesia gibsoni.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Babesia organisms For Export Only Canine	REF OUT	2 Blood Smears Microchip number required.	Slides	Protect from moisture and formalin. Include a completed "Agent for Shipment" form.	2 Weeks		
Bacterial Culture - Fecal Companion Animal Feces	CULT	Feces or Intestine Includes one sensitivity. For additional sensitivity: see Antimicrobial Sensitivity.	Sterile, leak proof container	Ship on ice packs.	1 - 2 Days		
Bacterial Culture - Fecal Food Animal Feces	CULT	Feces or Intestine Aerobic/anaerobic/Salmonella sp. Includes one sensitivity. For additional sensitivity: see Antimicrobial Sensitivity.	Sterile, leak proof container	Ship on ice packs.	1 - 2 Days		



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Bacterial Culture and Sensitivity Companion Animals Urine and ear swab	CULT	Urine or ear swab Per animal; includes one sensitivity. For addition sensitivity: see Antimicrobial Sensitivity.	Sterile container or swab	Ship on ice packs.	2 - 4 Days		
Bacterial Culture and Sensitivity Other Specimens	CULT	Specimens other than urine or ear swabs Per animal; includes one sensitivity. For additional sensitivity: see Antimicrobial Sensitivity.	Sterile, leak proof container or swab	Ship on ice packs.	2 - 4 Days		
Bacterial Culture of Necropsy Sample Companion Animals	CULT	Maximum 3 Tissues per animal or per submission Greater than 3 samples - \$15.00 extra per sample supported price, \$20.00 extra per sample list price. Includes aerobic/anaerobic/Salmonella sp and Campylobacter. No sensitivity.	Sterile, leak proof container or swab	Ship on ice packs.	2 Days		
Bacterial Culture of Necropsy Sample Poultry and Other Food Animals	CULT	Maximum 3 Tissues per animal or per submission Greater than 3 samples - \$15.00 extra per sample supported price, \$20.00 extra per sample list price. Includes aerobic and Salmonella sp. Anaerobic only included if requested. No sensitivity.	Sterile, leak proof container or swab	Ship on ice packs.	2 Days		
Bacterial Culture to Reference Lab Handling Fee	REF OUT	Bacterial Culture Additional courier charge will apply.	Leak proof container		Minimum 1 Week		
Bacterial Identification	CULT	Bacterial Culture No sensitivity.	Leak proof container		1 - 2 Days		
Bacterial Identification by Gene Sequencing	PCR	Genetic material	Leak proof container		Minimum 1 Week		



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Bacterial Microscope Examination Per stain	DIRECT EXAM	Swab, tissues, hair, urine, etc. Acid-fast, Dark-field, Giemsa, Gram stain, KOH, Methylene-blue, wet mount and others.	Sterile container		1 Day		
Baermann - Lungworm Routine Semi-quantitative Test Nematode larvae identification	PARA	Feces - 5-10 grams	Leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Barium		See Mineral Panel #4					
Bartonella Panel Serology - IFA Canine, Feline	REF OUT	Serum - 2 mL Includes B. henselae, B. vinsonii, B. koehlerae.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Bartonella spp. Real Time PCR	REF OUT	EDTA whole blood - 2 mL Collect sample prior to antibiotic administration.	Purple top tube	Refrigerate. Ship on ice packs.	1 Week		
Bartonella PCR	REF OUT	EDTA whole blood - 2 mL Tests on the genus level for B. henselae, B. clarridgeiae, B. quintana, B. Koehlerae and B. vinsonii.	Purple top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	4 Weeks		
Beryllium		See Mineral Panel #4					
Beta Hydroxybutyrate (BHB) Bovine	CHEM	Serum or EDTA plasma - 0.5 mL	Red or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
BHB (Beta Hydroxybutyrate) Bovine	CHEM	Serum or EDTA plasma - 0.5 mL	Red or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
BHV-1 (Bovine Herpesvirus-1)	PCR	Nasal, oral or genital swabs, lung, trachea, fetal liver	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
BHV-1 (Bovine Herpesvirus-1) Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		



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BHV-1 (Bovine Herpesvirus-1) Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
BHV-1 (Bovine Herpesvirus-1) FAT on Tissue	FAT	Liver (fetus) - for abortion cases Includes BVD exam. Lung - for respiratory disease - includes one other antigen (BVD, PI-3, BRSV). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
BHV-1 (Bovine Herpesvirus-1) Virus Isolation in Cell Culture	ISO	Nasal, oral or genital swabs, lung, or trachea See Introduction page 16 for pricing on multiple samples.	Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Bicarbonate	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Bile Acids - Pre and Post	CHEM	Serum or heparinized plasma - 0.2 mL Avoid hemolysis. Fasting and 2 hr. post prandial. See Appendix for ' Bile Acid Protocol '.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Bile Acids - Single	CHEM	Serum or heparinized plasma - 0.2 mL Avoid hemolysis.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Bilirubin, Direct	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Bilirubin, Total	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection. Improperly filled heparin tubes may result in falsely increased bilirubin results.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		



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BioPRYN	ELISA	Serum - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs.	Cut off time 3 PM Wednesday, results Thursday PM		
Bismuth		See Mineral Panel #4					
Blastomyces Antigen Quantitative EIA	REF OUT	Urine, serum, EDTA plasma or CSF - 2 mL Urine is the sample of choice.	Red or purple top tube	Serum, Plasma, CSF: refrigerate samples. URINE: Refrigerate samples that will be tested before they are 2 weeks old. Freeze samples that will not be tested before they are 2 weeks old. Samples must be shipped frozen. Include a completed "Agent for Shipment" form.	1 Week		
Blastomyces Serology	REF OUT	Serum - 1 mL (minimum - 0.1 mL)	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Blood Gas Saskatoon Clients Only	CHEM	Heparinized whole blood - 1 mL pH, pCO ₂ , pO ₂ , HCO ₃ , BE, Na, K, Cl, anion gap, glu, lactate, ionized (free) Ca	Heparinized syringe	Recap syringe immediately after collection (sample must remain anaerobic). Mix well and place on ice pack. Sample must be analyzed within 1 hour of collection. Ship on ice packs.	1 Day		
Blood Smear Evaluation	DIRECT EXAM	2 unstained blood smears or EDTA whole blood	Glass slides or purple top tube	Refrigerate purple top tube. Ship on ice packs.	1 Day		
Blood Typing Canine, Feline	AGG	EDTA whole blood - 0.5 mL	Purple top tube	Refrigerate. Ship on ice packs.	1 Day		



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Blue Green Algae	TOX	Water sample at 4°C Bioassay	Leak proof container	Refrigerate. Ship on ice packs.	8 - 15 Days		
BLV (Bovine Leukosis Virus)	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Bone Marrow Histopath **Include a same day CBC See CBC for charges.	CYTO	Fixed bone core + EDTA whole blood + 2 blood smears Extra charges will apply if more than 8 slides are submitted.	Leak proof container, purple top tube and glass slides	Refrigerate purple top tube. Protect smears from formalin exposure. Ship on ice packs.	2 Days		
Bone Marrow Smears and Histopath **Include a same day CBC See CBC for charge.	CYTO	Air-dried, unstained smears + fixed bone core + EDTA whole blood + 2 blood smears Extra charges will apply if more than 8 slides are submitted.	Leak proof container, purple top tube and glass slides	Refrigerate purple top tube. Protect smears from formalin exposure. Ship on ice packs.	1 Day for Smear, 2 Days for Core		
Bone Marrow Smears **Include a same day CBC See CBC for charges.	CYTO	Air-dried, unstained smears + EDTA whole blood + 2 blood smears. Extra charges will apply if more than 8 slides are submitted.	Glass slides and purple top tube	Refrigerate purple top tube. Ship on ice packs.	1 Day		
Borrelia burgdorferi IDEXX SNAP® 4Dx Plus Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL See Tick Transmitted Disease Panel .	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Botulism (Clostridium botulinum) Mouse Inoculation Test	REF OUT	Serum - 1 mL, feed - 5 grams or stomach contents - 5 mL	Red top tube or leak proof container	Ship on ice packs.	1 - 2 Weeks		
Bovine Adenovirus Virus Isolation in Cell Culture	ISO	GI or Respiratory Tract Tissue See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.	Leak proof container	Refrigerate. Ship on ice packs.			
Bovine Coronavirus	PCR	Spiral colon or ileum, feces	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		



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Bovine Coronavirus	EM	Feces Mature animals - suspect winter dysentery.	Leak proof container	Refrigerate. Ship on ice packs.	Dependent on Equipment Availability		
Bovine Coronavirus Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Bovine Coronavirus FAT on Feces	FAT	Feces For calf diarrhea, includes Rotavirus exam.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 4 Days		
Bovine Coronavirus FAT on Tissue	FAT	Spiral colon or ileum Includes rotavirus exam. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Bovine Enterovirus Virus Isolation in Cell Culture	ISO	Feces or Intestine See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.	Leak proof container	Refrigerate. Ship on ice packs.			
Bovine Herpes Mammilitis (BHV-2) Virus Isolation in Cell Culture	ISO	Vesicle or Lesion Scrapings See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.	Leak proof container	Refrigerate. Ship on ice packs.			
Bovine Herpesvirus-1	PCR	Nasal, oral or genital swabs, lung, trachea, fetal liver	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Bovine Herpesvirus-1 Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Bovine Herpesvirus-1 Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		



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Bovine Herpesvirus-1 FAT on Tissue	FAT	Liver (fetus) - for abortion cases Includes BVD exam. Lung - for respiratory disease - includes one other antigen (BVD, PI-3, BRSV). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Bovine Herpesvirus-1 Virus Isolation in Cell Culture	ISO	Nasal, oral or genital swabs, lung, or trachea See Introduction page 16 for pricing on multiple samples.	Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Bovine Leukosis Virus (BLV)	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Bovine Papilloma Virus	PCR	Tissue - formalin fixed, embedded	Leak proof container or swab	Refrigerate. Ship on ice packs.	2 Days		
Bovine Papular Stomatitis Virus Isolation in Cell Culture	ISO	Vesicle or Lesion Scrapings See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.	Leak proof container	Refrigerate. Ship on ice packs.			
Bovine Parainfluenza-3	PCR	Lung, nasal swabs or tracheal washings	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Bovine Parainfluenza-3 Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel.	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Bovine Parainfluenza-3 Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		
Bovine Parainfluenza-3 FAT on Tissue	FAT	Lung from multiple sites Includes one other antigen (BVD, IBR, BRSV). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		



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Bovine Parainfluenza-3 Virus Isolation in Cell Culture	ISO	Lung, nasal swabs or tracheal washings See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.	Leak proof container or swab	Refrigerate. Ship on ice packs.			
Bovine Respiratory Panel Antibody Test	ELISA	Serum - 1 mL 15 or more animals. Includes IBR, BRSV, PI-3 and BCV.	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Bovine Respiratory Syncytial Virus Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Bovine Respiratory Syncytial Virus Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		
Bovine Respiratory Syncytial Virus FAT on tissue	FAT	Lung from multiple sites Includes one other antigen (BVD, IBR, PI3). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Bovine Respiratory Syncytial Virus Virus Isolation in Cell Culture	ISO	Lung, nasal swabs or tracheal washings Successful isolation unlikely unless sample received within hours of collection. Please contact Laboratory for information regarding turn around times.	Leak proof container or swab	Refrigerate. Ship on ice packs.			
Bovine Respiratory Syncytial Virus	PCR	Lung, nasal swabs or tracheal washings	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Bovine Rotavirus	PCR	Jejunum or ileum, feces	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Bovine Rotavirus FAT on Feces	FAT	Feces For Calf Diarrhea - Only Group A detected. Includes Coronavirus exam.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 4 Days		



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Bovine Rotavirus FAT on Tissue	FAT	Jejunum or ileum Only Group A detected. Includes Coronavirus exam. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Bovine Viral Diarrhea Virus (BVD)	PCR	EDTA whole blood - 1 mL, tissue or culture For PI - serum - 1 mL	Purple top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Bovine Viral Diarrhea Virus (BVD) Antibody Test	VN	Serum - 1 mL Please specify BVD1, BVD2 or both.	Red top tube	Refrigerate. Ship on ice packs.	10 - 14 Days		
Bovine Viral Diarrhea Virus (BVD) FAT on tissue	FAT	Kidney (fetus) - for abortion cases Includes IBR exam. Lung, lymph node, spleen, kidney or intestine - for older animals. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Bovine Viral Diarrhea Virus (BVD) Skin Biopsy IHC for BVD - PI detection. Up to 15 samples per batch.	IHC	Formalin-fixed skin biopsies ≥ 6 mm or ear notches Surcharge of \$1 for each unfixed sample.	Leak proof container	Protect tissues in formalin from freezing.	3 - 5 Days		
Bovine Viral Diarrhea Virus (BVD) Skin Biopsy Sampling Kit	KIT	Contains 50 formalin filled sample tubes, packing material, sampling key sheet and instructions. Use for submission of skin biopsies for detection of BVD in persistently infected animals.		Client responsible for shipping charges.	Send out next business day		
Bovine Viral Diarrhea Virus (BVD) Virus Isolation in Cell Culture	ISO	Ileum, lymphoid tissues, or kidney For PI cattle >6 mos. - Serum For PI cattle <6 mos. - EDTA or Heparin for buffy coat. For acute infection submit EDTA or Heparin for buffy coat.	Leak proof container or red, purple or green top tube	Refrigerate. Ship on ice packs.	7 - 8 Days		
Brachyspira hyodysenteriae and B. pilosicoli	PCR	Spiral colon, intestinal contents, feces or rectal swabs	Leak proof container or swab	Refrigerate. Ship on ice packs.	2 Days		



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BRSV (Bovine Respiratory Syncytial Virus)	PCR	Lung, nasal swabs or tracheal washings	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
BRSV (Bovine Respiratory Syncytial Virus) Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
BRSV (Bovine Respiratory Syncytial Virus) Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		
BRSV (Bovine Respiratory Syncytial Virus) FAT on Tissue	FAT	Lung from multiple sites Includes one other antigen (BVD, IBR, PI3). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
BRSV (Bovine Respiratory Syncytial Virus) Virus Isolation in Cell Culture	ISO	Lung, nasal swabs or tracheal washings Successful isolation unlikely unless sample received within hours of collection. Please contact Laboratory for information regarding turn around times.	Leak proof container or swab	Refrigerate. Ship on ice packs.			
Brucella abortus Buffered plate agglutination test	AGG	Serum - 2 mL Less than 2 mLs of serum will not be accepted. Requires CFIA form 5473.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Brucella abortus Set-up Fee	ADMIN	Each case/owner for administrative costs.					
Brucella canis	FAT	Serum - 1 mL	Red top tube	Ship on ice packs.	1 - 2 Days		
Brucellosis - For Export Canine Tube-ME Agglutination	REF OUT	Serum - 1 - 2 mL Avoid hemolysis.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a "Serology Export" submission form.	2 Weeks		
Buffy Coat	CYTO	EDTA whole blood - 1 mL + 2 blood smears	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
BVD (Bovine Viral Diarrhea Virus)	PCR	EDTA whole blood - 1 mL, tissue or culture For PI - serum - 1 mL	Purple top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
BVD (Bovine Viral Diarrhea Virus) Antibody Test	VN	Serum - 1 mL Please specify BVD1, BVD2 or both.	Red top tube	Refrigerate. Ship on ice packs.	10 - 14 Days		
BVD (Bovine Viral Diarrhea Virus) FAT on tissue	FAT	Kidney (fetus) - for abortion cases Includes IBR exam. Lung, lymph node, spleen, kidney or intestine - for older animals. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
BVD (Bovine Viral Diarrhea Virus) Skin Biopsy IHC for BVD - PI detection. Up to 15 samples per batch.	IHC	Formalin-fixed skin biopsies ≥ 6 mm or ear notches Surcharge of \$1 for each unfixed sample.	Leak proof container	Protect tissues in formalin from freezing.	3 - 5 Days		
BVD (Bovine Viral Diarrhea Virus) Skin Biopsy Sampling Kit	KIT	Contains 50 formalin filled sample tubes, packing material, sampling key sheet and instructions. Use for submission of skin biopsies for detection of BVD in persistently infected animals.		Client responsible for shipping charges.	Send out next business day		
BVD (Bovine Viral Diarrhea Virus) Virus Isolation in Cell Culture	ISO	Ileum, lymphoid tissues, or kidney For PI cattle >6 mos. - Serum For PI cattle <6 mos. - EDTA or Heparin for buffy coat. For acute infection submit EDTA or Heparin for buffy coat.	Leak proof container or red, purple or green top tube	Refrigerate. Ship on ice packs.	7 - 8 Days		
Cadmium		See Mineral Panel #3 or #4					
CAE (Caprine Arthritis and Encephalitis) Antibody Test	ELISA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Calcium		Tissue - See Mineral Panel #2					
Calcium - Ionized Saskatoon Clients Only	CHEM	Heparinized whole blood - 1 mL Serum is not acceptable. pH, pCO ₂ , pO ₂ , HCO ₃ , BE, Na, K, Cl, anion gap, glu, lactate, ionized (free) Ca	Heparinized syringe	Recap syringe immediately after collection (sample must remain anaerobic). Mix well and place on ice pack. Sample must be analyzed within 1 hour of collection. Ship on ice packs.	1 Day		
Calcium - Total	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Calculi	REF OUT	Stone in clean container without preservatives. See Calculi special submission form in Appendix Section. Submission form must be completely filled out (including diet) in order to receive test at no charge.	Clean container without preservatives		1 Month		
Campylobacter fetus	PCR	Tissue	Leak proof container		2 Days		
Campylobacter fetus ssp. venerealis (Vibrio)/ Tritrichomonas foetus	PCR	Preputial wash/scrapings (In Pouch™ medium) or cervical mucus	In Pouch™ TF for both or PBS for C. fetus ssp. venerealis only.	Incubate In-Pouch medium at 35°C for 48 hours otherwise do not refrigerate and keep warm during shipment.	2 Days		
Campylobacter fetus ssp. venerealis (Vibrio)	PCR	Preputial wash/scrapings (In Pouch™ medium) or cervical mucus	In Pouch™ TF or PBS		2 Days		
Campylobacter ssp.	PCR	Preputial wash/scrapings (In Pouch™ medium) or cervical mucus	In Pouch™ TF or PBS		2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Canine Coronavirus	EM	Feces	Leak proof container	Refrigerate. Ship on ice packs.	Dependent on Equipment Availability		
Canine Distemper Endpoint Titer		See Distemper					
Canine Distemper Vaccine Titer		See Distemper					
Canine Distemper Virus (CDV, Distemper) IHC on haired Skin Biopsy	IHC	Fresh or Formalin-fixed haired skin biopsy Antemortem demonstration of CDV antigen.	Leak proof container	Fresh tissues - on ice packs; formalin tissues in leak proof container. Protect tissues in formalin from freezing.	2 - 3 Days		
Canine Papilloma Virus	EM	Wart Tissue	Screw top container or red top tube	Refrigerate. Ship on ice packs.	Dependent on Equipment Availability		
Canine Parvovirus Antigen SNAP®/ELISA	ELISA	Feces	Leak proof container	Refrigerate. Ship on ice packs.	1 Day		
Canine Parvovirus FAT on Tissue	FAT	Intestine One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Canine Parvovirus Virus Isolation in Cell Culture	ISO	Feces or Intestine Preferred test if diarrhea is present for several days. See Introduction page 16 for pricing on multiple samples.	Leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Canine Standard Panel Canine Only	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio, amylase, lipase See also Combination Tests.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Canine Thyroid Registry	REF OUT	Serum - 2 mL Thyroglobulin Autoantibodies, TSH, Free T4 by Equilibrium Dialysis. Include completed OFA Application for Thyroid Database form. \$15.00 OFA Registration fee must be included.	Red top tube SST tubes are not acceptable.	Refrigerate up to 5 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
Caprine Arthritis and Encephalitis (CAE) Antibody Test	ELISA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Cardiac Troponin		See Troponin					
CBC - Complete (Complete Blood Cell Count)	HEM	EDTA whole blood - tube 2/3 full + 2 unstained blood smears Minimum volume - tube 1/3 full, if less than minimum received partial results may be reported. Manual platelet count and reticulocyte count performed at labs discretion. See also Combination tests .	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
CBC - Complete (Complete Blood Cell Count) Corvids	HEM	Citratd whole blood + 2 unstained blood smears	Blue top tube (citrate) and glass slides	Refrigerate. Ship on ice packs.	1 Day		
CBC - Partial Only available for Research Projects	Hem	EDTA whole blood - tube 2/3 full Minimum volume - tube 1/3 full, if less than minimum received partial results may be reported. Includes automated WBC, RBC, Hgb, HCT and RBC indices. For smear evaluation and platelet count see CBC - Complete .	Purple top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
CBC - WBC and Differential only	Hem	EDTA whole blood - tube 2/3 full + 2 unstained blood smears Minimum volume - tube 1/3 full, if less than minimum received partial results may be reported. Includes WBC (automated or manual) and differential. For RBC data and platelet count see CBC - Complete .	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
CDV (Canine Distemper Virus) IHC on haired Skin Biopsy	IHC	Fresh or Formalin-fixed haired skin biopsy Antemortem demonstration of CDV antigen.	Leak proof container	Fresh tissues - on ice packs; formalin tissues in leak proof container. Protect tissues in formalin from freezing.	2 - 3 Days		
Ceruloplasmin	ENZ	Serum - 1-2 mL Copper is a better indicator of copper status. Research/Special request - contact Lab.	Red top tube	Keep sample cool. Ship on ice packs.	2 - 5 Days		
Chemistry - Single Test	CHEM	Serum, urine or fluid - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Avian Mini Panel	CHEM	Heparinized plasma or serum - 0.2 mL Ca, Pi, glu, CK, AST, uric acid	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Avian/Reptile/Amphibian Mini Plus Panel	CHEM	Heparinized plasma or serum - 0.2 mL Ca, Pi, glu, CK, AST, uric acid, Tprot, alb, glob, A:G ratio	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Avian/Reptile/Amphibian Standard Panel	CHEM	Heparinized plasma or serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, glu, CK, AST, GLDH, GGT, Chol, Tprot, alb, glob, A:G ratio, uric acid, bile acids. *If NSQ for standard panel, Avian Mini Panel plus Bile Acids will be run.	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Chemistry Panel Canine Standard Panel Canine Only	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio, amylase, lipase See also Combination Tests .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Exotic Mammal Mini	CHEM	Plasma or serum - 0.2 mL Ca, Pi, urea, glu, ALT, CK	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Large Animal Kidney Panel	CHEM	Serum - 0.4 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Large Animal Liver Panel	CHEM	Serum - 0.2 mL urea, glu, Tbili, Dbili, Ibili, CK, AST, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Large Animal Presurgical Panel	CHEM	Serum - 0.2 mL Na, K, Cl, urea, creat, glu, CK, AST, GLDH, GGT, Tprot	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Large Animal Standard Panel	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, CK, AST, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Pancreas Panel	CHEM	Serum - 0.2 mL amylase, lipase	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Small Animal Kidney/Electrolyte Panel	CHEM	Serum - 0.4 mL Na, K, Cl bicarb, anion gap, Ca, Pi, urea, creat, glu, Tprot, alb, glob, A:G ratio, Na:K ratio See also Combination Tests - Chronic Kidney Disease Combo .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Chemistry Panel Small Animal Liver Panel	CHEM	Serum - 0.2 mL urea, glu, chol, Tbili, Dbili, Ibili, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Small Animal Presurgical Panel	CHEM	Serum - 0.2 mL Na, K, Cl, CK, urea, creat, glu, ALP, ALT, GLDH, GGT, Tprot See also Combination Tests - Pre Surgical Combo.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Small Animal Standard Panel Small mammals; excluding Canine	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio. For Canines see Canine Standard Panel. See also Combination tests.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Chemistry Panel Total Protein/Albumin/Globulin Panel		Serum or heparinized plasma - 0.5 ml Includes Total Protein, Albumin, Globulin and A:G Ratio	Red or green top tube	Refrigerate. Ship on ice packs.	1 day		
Chlamydomphila abortus	PCR	Tissue, abomasal fluid	Leak proof container or swab		2 Days		
Chlamydomphila psittaci	PCR	Tissue, cloacal or eye swabs	Leak proof container or swab	Refrigerate. Ship on ice packs.	2 Days		
Chlamydomphila spp.	PCR	Tissue, cloacal or eye swabs	Leak proof container or swab	Refrigerate. Ship on ice packs.	2 Days		
Chloride	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Electrolytes for Na, K, Cl. See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Cholesterol	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Cholinesterase	ENZ	Brain - whole avian brain or half a bovine brain Freeze immediately.	Leak proof container	Freeze tissue immediately. Ship frozen.	2 - 5 Days		
Cholinesterase	pH	Heparinized whole blood - 2-6 mL	Green top tube	Ship immediately with ice packs.	1 - 2 Days		
Chorionic Gonadotropin (eCG) Equine	ImmMIG	Serum - 0.5 mL Useful from 38-120 days gestation. (PMSG - Pregnant mare's serum gonadotropin).	Red top tube	Refrigerate. Ship on ice packs.	24 Hours after Receipt		
Chromium		See Mineral Panel #4					
Chronic Kidney Failure Combo Small Animal Kidney/Electrolyte Panel + UA + Urine Prot/Creat Ratio Canine, Feline only	COMBO	Serum - 0.5 mL + urine - 3 mL	Red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Chronic Wasting Disease (CWD) BioRad ELISA	ELISA	Fresh or frozen obex, lymph node or brain Contact lab for appropriate sample by species.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Weeks		
CK (Creatine Kinase)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Classical Swine Fever Virus (CFIA Accredited Test)	PCR	Contact Diagnostic Pathologist or Lab for details.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Days		
Clostridia Fluorescent Antibody Test	FAT	Fresh muscle or cardiac tissues C.chauvoei, C.novyi, C.septicum, C.sordelli	Leak proof container	Ship on ice packs.	1 - 2 Days		
Clostridium difficile Culture	CULT	Feces			48 hrs.		
Clostridium difficile Genotyping	PCR	Bacterial Culture A, B toxin types			2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Clostridium perfringens Genotyping	PCR	Bacterial Culture A, B, C, D, E toxin types			2 Days		
Coagulation - FDPs (Fibrin Degradation Products)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
Coagulation - PT (Prothrombin Time)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
Coagulation - PTT (Partial Thromboplastin Time)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
Cobalamin (B12) Canine, Feline	REF OUT	Serum - 1 mL 12 hour fasting sample recommended. Avoid hemolysis.	Red top tube	Refrigerate up to 24 hrs. Freeze for longer storage. Ship on ice packs.	1 Week		
Cobalamin/Folate Canine, Feline	REF OUT	Serum - 1 mL 12 hour fasting sample recommended. Avoid hemolysis.	Red top tube	Refrigerate up to 24 hrs. Freeze for longer storage. Ship on ice packs.	1 Week		
Cobalt		See Mineral Panel #1					
Coccidioides Serology	REF OUT	Serum - 0.5 mL (minimum - 0.1 mL)	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Coggins Test		See EIA or Equine Infectious Anemia					



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Combination Tests Chronic Kidney Failure Combo Small Animal Kidney/Electrolyte Panel + UA + Urine Prot/Creat Ratio Canine, Feline only	COMBO	Serum - 0.5 mL + urine - 3 mL	Red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Diabetic Combo CBC + Small Animal Standard Panel + UA + Fructosamine Canine, Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Health Screen Combo - Basic CBC + Small Animal Standard Panel + UA Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Health Screen Combo - Basic CBC + Canine Standard Panel + UA Canine only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Health Screen Combo - Complete CBC + Small Animal Standard Panel + UA + T4 Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Health Screen Combo - Complete CBC + Canine Standard Panel + UA + T4 Canine only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Combination Tests Health Screen Combo - Mini CBC + Canine Standard Panel + T4 Canine only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL	Purple top tube, glass slides and red top tube	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Health Screen Combo - Mini CBC + Small Animal Standard Panel + T4 Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL	Purple top tube, glass slides and red top tube	Refrigerate. Ship on ice packs.	1 Day		
Combination Tests Pre-surgical Combo CBC + Presurgical Panel + UA Canine, Feline	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Complete Blood Cell Count - WBC and Differential only	Hem	EDTA whole blood - tube 2/3rds full + 2 unstained blood smears Minimum volume - tube 1/3rd full, if less than minimum received partial results may be reported. Includes WBC (automated or manual) and differential. For RBC data and platelet count see CBC - Complete .	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Complete Blood Cell Count (CBC)	HEM	EDTA whole blood - tube 2/3 full + 2 unstained blood smears Minimum volume - tube 1/3 full, if less than minimum received partial results may be reported. Manual platelet count and reticulocyte count performed at labs discretion. See also Combination tests .	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Complete Blood Cell Count (CBC) Corvids	HEM	Citrated whole blood + 2 unstained blood smears	Blue top tube (citrate) and glass slides	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Complete CBC - Partial Only available for Research Projects	Hem	EDTA whole blood - tube 2/3 full Minimum volume - tube 1/3 full, if less than minimum received partial results may be reported. Includes automated WBC, RBC, Hgb, HCT and RBC indices. For smear evaluation and platelet count see CBC - Complete .	Purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Contagious Ecthyma Virus Isolation in Cell Culture	ISO	Vesicle or Lesion Scrapings See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.		Refrigerate. Ship on ice packs.			
Coombs Test Combined reagents @37C	AGG	EDTA whole blood - 1 mL	Purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Coombs Test Isotyping and Temp Profile	AGG	EDTA whole blood - 1 mL	Purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Copper		See Mineral Panel #1					
Coronavirus - Bovine Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Coronavirus - Feline (Feline Infectious Peritonitis) Antibody Test	IMPA	Serum - 0.1 mL Does not differentiate between FIP and Enteric Coronavirus. See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Coronavirus - Feline RealPCR	REF OUT	Pleural or abdominal effusion - 2 mL (preferred specimen), CSF - 0.5 mL, EDTA whole blood - 1 mL or fresh feces - 5 g. Fresh, frozen tissue (spleen, liver, kidney, lung) are also acceptable.	Purple top tube or sterile container	Refrigerate. Ship on ice packs.	1 Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Coronavirus Bovine	EM	Feces Mature animals - suspect winter dysentery.	Leak proof container	Refrigerate. Ship on ice packs.	Dependent on Equipment Availability		
Coronavirus Bovine FAT on Feces	FAT	Feces For calf diarrhea, includes Rotavirus exam.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 4 Days		
Coronavirus Bovine FAT on Tissue	FAT	Spiral colon or ileum Includes rotavirus exam. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Cortisol - ACTH Stimulation Test	IMMUL	Serum - 0.2 mL for each sample Cost includes 2 cortisol, additional cortisol are \$20.00 each. See Appendix for 'Protocols for Testing Adrenal Function' .	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Cortisol - Dexamethasone Suppression Test Canine	IMMUL	Serum - 0.2 mL for each sample Cost includes 3 cortisol, additional cortisol are \$20.00 each. Indicate if LOW (LDDST) or HIGH (HDDST) dose dexamethasone used. See Appendix for 'Protocols for Testing Adrenal Function' .	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Cortisol - Dexamethasone Suppression Test Equine	IMMUL	Serum - 0.2 mL for each sample Cost includes 2 cortisol, additional cortisol are \$20.00 each.	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Cortisol - Post ACTH or Dexamethasone	IMMUL	Serum - 0.2 mL Must accompany a resting Cortisol sample.	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Cortisol - Resting Canine, Equine	IMMUL	Serum - 0.2 mL Single cortisol. See ACTH Stimulation (Canine only) or Dexamethasone Suppression Test for panel pricing.	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Cortisol/Creatinine Ratio - Urine	IMMUL & CHEM	Urine - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Coxiella burnetti	PCR	Placenta	Leak proof container	Refrigerate. Ship on ice packs.	2 Days		
CPH and 5-FU Combo Analysis	LCMS	Requires Antineoplastic Swipe Kit	Supplied with kit	Store at 4°C after sampling. Ship on ice packs.	1 - 2 Days		
Creatine Kinase (CK)	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Creatinine	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Crossmatch - Per Donor	XMATCH	EDTA whole blood + serum - 1 mL per donor A Crossmatch Setup fee will be added to each crossmatch - see Crossmatch Setup Fee .	1 purple top tube and 1 red top tube for each donor	Refrigerate. Ship on ice packs.	Minimum 2 Hours		
Crossmatch Setup Fee	XMATCH	EDTA whole blood + serum - 1 mL from recipient and each donor A additional charge per donor will be added to the Crossmatch Setup Fee - see Crossmatch - Per Donor .	1 purple top tube and 1 red top tube from recipient and each donor	Refrigerate. Ship on ice packs.	Minimum 2 Hours		
Cryptococcus Serology	REF OUT	Serum or CSF - 1 mL (minimum - 0.1 mL)	Red top tube (serum), sterile container (CSF)	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Cryptosporidium and Giardia Combo Fluorescent Antibody Test + Flootation	PARA	Feces - 5-10 grams	Leak proof container	Refrigerate. Ship on ice packs. Samples should be received in lab within 48 hrs. post collection.	1 Day		
CSF Cytology	CYTO	CSF in EDTA - 0.5 mL + direct smears CSF Protein included if sufficient volume - see CSF Protein for additional charge. For culture include a red top tube.	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
CSF Protein	CHEM	CSF - 0.1 mL in red-top tube	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
CWD (Chronic Wasting Disease) BioRad ELISA	ELISA	Fresh or frozen obex, lymph node or brain. Contact lab for appropriate sample by species.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Weeks		
Cyanide Quantitative	DIFF	Heparinized whole blood - 2-5 mL	Green top tube	Exclude air and seal tightly. Submit immediately or freeze. Ship on ice packs.	2 - 5 Days		
Cyclophosphamide Analysis (CPH)	LCMS	Requires Antineoplastic Swipe Kit	Supplied with kit	Store at 4°C after sampling. Ship on ice packs.	1 - 2 Days		
Cyclosporine	REF OUT	EDTA whole blood - 1 mL Serum is not acceptable.	Purple top tube	Refrigerate. Ship on ice packs.	2 Days		
Cytology - Multiple Lymph Nodes	CYTO	Lymph nodes from multiple sites (> 2 sites) submitted at the same time on the same animal - maximum 8 slides. Extra charges will apply if more than 8 slides per submission. See Cytology Smears or Imprints Single Site if submitting 1 or 2 lymph node site(s).	Glass slides	Protect smears from formalin exposure.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Cytology Fluid - Single Site First tube of fluid	CYTO	Fluid in EDTA - 1 mL + direct smears For culture include a red top tube. Cost is for first tube of fluid. Discounts apply for all additional fluids submitted at the same time on the same animal from the same site or from different sites, see Introduction page 11 for pricing details.	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Cytology Smears or Imprints Single Site - 8 slides maximum	CYTO	Air-dried, unstained aspirate smear(s) or tissue imprints Extra charges will apply if more than 8 slides are submitted per site. Discounts apply to additional sites submitted at the same time on the same animal, see Introduction page 11 for pricing details. See also Cytology - Multiple Lymph Nodes if submitting >2 Lymph Node Sites. See Cytology Fluid if submitting fluid.	Glass slides	Protect smears from formalin exposure.	1 Day		
Cytology Additional Slides	CYTO	Cost for each additional slide over the 8 slide maximum per site.	Glass slides	Protect smears from formalin exposure.	1 Day		
Dermatohistopathology		See Pathology, Skin Biopsy/Dermatohistopathology.					
Dermatophilus sp. Direct Exam and Culture	DIRECT EXAM & CULT	Hair or scrapings	Tube or other container		2 Days		
Dexamethasone Suppression Test Canine	IMMUL	Serum - 0.2 mL for each sample Cost includes 3 cortisol, additional cortisol are \$20.00 each. Indicate if LOW (LDDST) or HIGH (HDDST) dose dexamethasone used. See Appendix for ' Protocols for Testing Adrenal Function '.	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Dexamethasone Suppression Test Equine	IMMUL	Serum - 0.2 mL for each sample Cost includes 2 cortisol, additional cortisol are \$20.00 each.	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Diabetic Combo CBC + Small Animal Standard Panel + UA + Fructosamine Canine, Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Digestion Only	MW	Plasma, serum or tissue - fresh or frozen Contact lab for other types of samples.	Red top tube or leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Days		
Digoxin	REF OUT	Serum - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs.	2 Days		
Dilantin	REF OUT	Serum - 2 mL	Red top tube	Refrigerate. Ship on ice packs.	Phone		
Distemper Endpoint Titer Canine IFA	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Week		
Distemper Vaccine Titers Canine IFA	REF OUT	Serum - 1 mL (minimum - 250 uL) Also available as Parvovirus/Distemper combination - see Vaccine Panel .	Red top tube	Refrigerate up to 5 days. Freeze for longer storage. Ship on ice packs.	1 Week		
Distemper (Canine Distemper Virus, CDV) IHC on haired Skin Biopsy	IHC	Fresh or Formalin-fixed haired skin biopsy Antemortem demonstration of CDV antigen.	Leak proof container	Fresh tissues - on ice packs; formalin tissues in leak proof container. Protect tissues in formalin from freezing.	2 - 3 Days		
E. coli Bovine Enteric Panel	PCR	Bacterial Culture F5/Sta/Stx1/Stx2/Eae	Leak proof container		2 Days		
E. coli Canine Enteric Panel	PCR	Bacterial Culture StA/Stx1/Stx2/Eae	Leak proof container		2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
E. coli Porcine Enteric Panel	PCR	Bacterial Culture F4/LT/STa/STb/Stx2e/Eae/AIDA-I	Leak proof container		2 Days		
Ehrlichia canis and Ehrlichia ewingii IDEXX SNAP® 4Dx Plus Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL See Tick Transmitted Disease Panel .	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Ehrlichia canis Antibody Routine IFA	REF OUT	Serum - 1 mL Screening dilution 1:40. See Ehrlichia canis Endpoint if final endpoint required.	Red top tube	Refrigerate. Ship on ice packs.	1 Week		
Ehrlichia canis Endpoint IFA	REF OUT	Serum - 1 mL Titer performed at a dilution of 1:40 to 1:2,560.	Red top tube	Refrigerate. Ship on ice packs.	1 Week		
Ehrlichia canis Screen - For Export IFA	REF OUT	Serum - 2 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a "Serology Export" submission form.	1 Week		
Ehrlichia PCR	REF OUT	EDTA whole blood - 2 mL (minimum - 1 mL) E. canis, E. chaffeensis, E. muris and E. ewingii	Purple top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	4 Weeks		
EHV (Equine Herpesvirus 1 and 4)	PCR	Nasal swab, tracheal wash or EDTA whole blood. Detection is specific for type 1 or type 4 See also Equine Respiratory Panel .	Swab or purple top tube		1 - 2 Days		
EHV (Equine Herpesvirus-1 and 4) Antibody Test	ELISA	Serum - 1 mL Test does not discriminate between type 1 and type 4 exposure. See Introduction page 16 for pricing on multiple samples .	Red top tube	Refrigerate. Ship on ice packs.	2 - 7 Days		
EHV-1 (Equine Herpesvirus-1) FAT on Tissue	FAT	Fetal liver or lung One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
EIA - CFIA cost recovery (Equine Infectious Anemia)	ADMIN	Office Use Only	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
EIA (Equine Infectious Anemia)	ELISA	Serum - minimum 2 mL Less than 2 mL of serum will not be accepted. CFIA cost recovery charge added per sample.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
EIC (Exercise Induced Collapse Test) Canine	REF OUT	EDTA whole blood - 1-3 mL Requires special submission form. Tubes must be clearly labeled with animals name and owners name.	Purple top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 Weeks		
Electrolytes	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL Na, K, Cl See Chemistry Panel for panel selection. See also Urine Electrolyte Panel .	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Endogenous ACTH		See ACTH, Endogenous					
Endogenous Thyroid Stimulating Hormone (cTSH) Canine only	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
EPM (Equine Protozoal Myelitis) Western Blot	REF OUT	Serum - 1 mL and/or CSF - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Equine Arteritis Virus - Screening Antibody Test	VN	Serum - 1 mL Only available for 31 or more samples received at the same time.	Red top tube	Refrigerate. Ship on ice packs.			
Equine Arteritis Virus Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	7 - 14 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Equine Chorionic Gonadotropin (eCG)	ImmMIG	Serum - 0.5 mL Useful from 38-120 days gestation. (PMSG - Pregnant mare's serum gonadotropin).	Red top tube	Refrigerate. Ship on ice packs.	24 Hours after Receipt		
Equine Herpesvirus 1 and 4	PCR	Nasal swab, tracheal wash or EDTA whole blood. Detection is specific for type 1 or type 4 See also Equine Respiratory Panel .	Swab or purple top tube		1 - 2 Days		
Equine Herpesvirus 1 Subtyping	PCR	Done on EHV 1 PCR positive sample.			2 Days		
Equine Herpesvirus-1 and 4 Antibody Test	ELISA	Serum - 1 mL Test does not discriminate between type 1 and type 4 exposure. See Introduction page 16 for pricing on multiple samples .	Red top tube	Refrigerate. Ship on ice packs.	2 - 7 Days		
Equine Herpesvirus-1 FAT on Tissue	FAT	Fetal liver or lung One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Equine Infectious Anemia - CFIA cost recovery (EIA)	ADMIN	Office Use Only	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Equine Infectious Anemia (EIA)	ELISA	Serum - minimum 2 mL Less than 2 mL of serum will not be accepted. CFIA cost recovery charge added per sample.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Equine Influenza Genotyping A1 (H7), A2 (H3)	PCR	Done on Influenza A PCR Positive sample.			2 Days		
Equine Protozoal Myelitis		See EPM					



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Equine Respiratory Panel	PCR	Two nasal swabs (e.g. culturette swabs) or tracheal wash Includes Equine Herpes virus 1 and 4; Equine Influenza virus; Streptococcus equi.	2 swabs or red top tube		1 - 2 Days		
Equine Rotavirus	EM	Feces Call lab prior to submission.	Leak proof container	Refrigerate. Ship on ice packs.	Dependent on Equipment Availability		
Equine Viral Arteritis - Screening (EVA) Antibody Test	VN	Serum - 1 mL Only available for 31 or more samples received at the same time.	Red top tube	Refrigerate. Ship on ice packs.			
Equine Viral Arteritis (EVA) Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	7 - 14 Days		
Equine Viral Rhinopneumonitis (Equine Herpesvirus 1 and 4)	PCR	Nasal swab, tracheal wash or EDTA whole blood. Detection is specific for type 1 or type 4 See also Equine Respiratory Panel .	Swab or purple top tube		1 - 2 Days		
Equine Viral Rhinopneumonitis (Equine Herpesvirus 1 and 4) Antibody Test	ELISA	Serum - 1 mL Test does not discriminate between type 1 and type 4 exposure. See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	2 - 7 Days		
Equine Viral Rhinopneumonitis (Equine Herpesvirus) FAT on Tissue	FAT	Fetal liver or lung One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Ergot Panel 6 Ergot Alkaloids	LCMS	Sample size - 200-2000 grams See website for sampling instructions. ergosine, ergocorine, ergocristine, ergocryptine, ergotamine, and ergometrine	Resealable plastic bag		2 - 7 Days add 2 days if drying required		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Estradiol 1 Sample	RIA	Serum - 2 mL Discounts apply if more than one sample is submitted.	Red top tube	Refrigerate. Ship on ice packs.	7 Days after Receipt		
Ethylene Glycol	REF OUT	Fluoride oxalate plasma or serum - 0.5 mL Put in smallest possible tube and cap tightly. Do not expose to air.	Grey or red top tube	Sample must remain anaerobic. Refrigerate. Ship on ice packs.	1 Day		
EVA - Screening (Equine Viral Arteritis) Antibody Test	VN	Serum - 1 mL Only available for 31 or more samples received at the same time.	Red top tube	Refrigerate. Ship on ice packs.			
EVA (Equine Viral Arteritis) Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	7 - 14 Days		
Exercise Induced Collapse Test		See EIC					
Exotic Mammal Mini	CHEM	Plasma or serum - 0.2 mL Ca, Pi, urea, glu, ALT, CK	Green or red top tube	Refrigerate. Ship on ice packs.	1 Day		
Factor Assay	REF OUT	Citrated plasma - 2 mL Citrated collection tubes available, contact lab.	Blue top tube (citrate). Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plastic tube or plastic syringe. Ship frozen. Sample must arrive frozen. Include a completed "Agent for Shipment" form.	1 Day		
FDPs (Fibrin Degradation Products)	COAG	Citrated plasma or citrated whole blood Citrated collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
Fecal Alpha-1 Protease Inhibitor Canine	REF OUT	Feces - 1 gram from 3 different bowel movements collected in special pre-weighted tubes which can be requested from the lab.	Requires special collection containers, call for availability.	Freeze sample as soon as collected. Include a completed "Agent for Shipment" form.	1 - 2 Weeks		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Fecal Egg/Oocyst Count Modified Wisconsin	PARA	Feces - 5-10 grams	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Days		
Fecal Flotation - Routine Semi-quantitative Method	PARA	Feces - 5-10 grams	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Days		
Fecal Occult Blood	CARD	Feces - 3 grams; ~1 tsp May take up to 72 hours to confirm results. Meat free diet for 72 hours prior to testing is recommended.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 4 Days		
Fecal Sedimentation Semi-Quantitative	PARA	Feces - 5-10 grams Detection of fluke eggs.	Leak proof container	Refrigerate. Ship on ice packs.	1 Day		
Feline Calicivirus Antibody Test	VN	Serum - 0.5 mL See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	7 - 14 Days		
Feline Calicivirus Virus Isolation in Cell Culture	ISO	Nasal or oral swabs, lung, trachea or tonsil See Introduction page 16 for pricing on multiple samples.	Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Feline Coronavirus (Feline Infectious Peritonitis) Antibody Test	IMPA	Serum - 0.1 mL Does not differentiate between FIP and Enteric Coronavirus. See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Feline Coronavirus RealPCR	REF OUT	Pleural or abdominal effusion - 2 mL, CSF - 0.5 mL, EDTA whole blood - 1 mL or fresh feces - minimum 1 g. Fresh, frozen tissue (spleen, liver, kidney, lung) are also acceptable. Feces is not acceptable for Feline coronavirus biotyping.	Purple top tube or sterile container for feces	Refrigerate. Ship on ice packs.	1 Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Feline Herpesvirus Antibody Test	VN	Serum - 0.5 mL See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	7 - 14 Days		
Feline Herpesvirus Virus Isolation in Cell Culture	ISO	Nasal, ocular or oral swab, trachea or tonsil See Introduction page 16 for pricing on multiple samples.	Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Feline Immunodeficiency Virus Antibody (FIV) IFA	REF OUT	Serum - 1 mL This test does not distinguish between vaccination and infection.	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Feline Immunodeficiency Virus (FIV) Western Blot	REF OUT	Serum - 1 mL This test does not distinguish between vaccination and infection.	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Feline Immunodeficiency Virus/ Feline Leukemia Virus (FIV/FeLV) IDEXX SNAP® Combo Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Feline Infectious Peritonitis	REF OUT	Pleural or abdominal effusion (preferred sample) - 2 mL, tissue aspirates or fresh tissue in empty sterile container (preferred sample) or EDTA whole blood - 1 mL If positive the biotype is identified as either the virulent feline infectious peritonitis virus (FIPV) biotype or the less virulent feline enteric coronavirus (FECV) biotype.	Red or purple top tube or sterile container	Refrigerate up to 10 days for fluid and blood. Tissue refrigerate for 24 hrs., freeze for longer storage. Ship on ice packs.	1 Week		
Feline Infectious Peritonitis (FIP) Antibody Test	IMPA	Serum - 0.1 mL Does not differentiate between FIP and Enteric Coronavirus. See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Feline Leukemia Virus		See FeLV					



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Feline Leukemia Virus/Feline Immunodeficiency Virus (FeLV/FIV) IDEXX SNAP® Combo Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Feline Panleukopenia (Feline Parvovirus) Virus Isolation in Cell Culture	ISO	Feces or intestine See Introduction page 16 for pricing on multiple samples.	Leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Feline Parvovirus (Feline Panleukopenia) Virus Isolation in Cell Culture	ISO	Feces or intestine See Introduction page 16 for pricing on multiple samples.	Leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Feline Viral Rhinotracheitis (Feline Herpesvirus) Antibody Test	VN	Serum - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs.	7 - 14 Days		
Feline Viral Rhinotracheitis (Feline Herpesvirus) Virus Isolation in Cell Culture	ISO	Nasal, ocular or oral swab, trachea or tonsil See Introduction page 16 for pricing on multiple samples.	Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
FeLV (Feline Leukemia Virus) IFA	REF OUT	EDTA whole blood - 1 mL Bone marrow or lymphoid tissue also acceptable.	Purple top tube	Refrigerate. Ship on ice packs.	1 Week		
FeLV (Feline Leukemia Virus) PCR Done in Vet Path	PCR	EDTA whole blood - 1 mL	Purple top tube	Refrigerate. Ship on ice packs.	Phone		
FeLV/FIV (Feline Leukemia Virus/Feline Immunodeficiency Virus) IDEXX SNAP® Combo Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Ferritin ELISA	REF OUT	Serum - 0.5 mL	Red top tube	Freeze. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Ferritin/Iron/TIBC	REF OUT	Serum - 0.5 mL	Red top tube	Freeze. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Fibrin Degradation Products (FDPs)	COAG	Citrated plasma or citrated whole blood Citrated collection tubes available, contact lab.	Blue top tube (citate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
FIP (Feline Infectious Peritonitis)	REF OUT	Pleural or abdominal effusion (preferred sample) - 2 mL, tissue aspirates or fresh tissue in empty sterile container (preferred sample) or EDTA whole blood - 1 mL If positive the biotype is identified as either the virulent feline infectious peritonitis virus (FIPV) biotype or the less virulent feline enteric coronavirus (FECV) biotype.	Red or purple top tube or sterile container	Refrigerate up to 10 days for fluid and blood. Tissue refrigerate for 24 hrs., freeze for longer storage. Ship on ice packs.	1 Week		
FIP (Feline Infectious Peritonitis) Antibody Test	IMPA	Serum - 0.1 mL Does not differentiate between FIP and Enteric Coronavirus. See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
FIV Antibody IFA	REF OUT	Serum - 1 mL This test does not distinguish between vaccination and infection.	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
FIV Antibody Western Blot	REF OUT	Serum - 1 mL This test does not distinguish between vaccination and infection.	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Flax CDC Triffid	PCR	Flax 2.5 kilogram			1 Day		
Flax CDC Triffid	PCR	Flax 2.5 kilogram			3 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Flow Cytometry	REF OUT	Bone marrow in EDTA - minimum 500 uL, lymph node, body cavity fluid in EDTA & red top - minimum 400 uL + EDTA whole blood - 2 mL NOTE: CBC must be run within 48 hrs. of sample being collected. Send copy of in-house CBC results. Samples should be collected Monday or Tuesday for shipping on Wednesday (sample needs to be as fresh as possible).	Purple top tube and red top tube (for fluid) Slides not required.	Refrigerate. Ship on ice packs.	1 week		
Fluid Cytology - Single site First tube of fluid	CYTO	Fluid in EDTA - 1 mL + direct smears For culture include a red top tube. Cost is for first tube of fluid. Discounts apply for all additional fluids submitted at the same time on the same animal from the same site or from different sites, see Introduction page 11 for pricing details.	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Folate Canine, Feline	REF OUT	Serum - 1 mL Fasting sample strongly recommended. Avoid hemolysis.	Red top tube	Refrigerate for 24 hrs. Freeze for longer storage. Ship on ice packs. Protect from light.	1 Week		
Foot and Mouth Disease Virus (CFIA Accredited Test)	PCR	Contact Diagnostic Pathologist or lab for details.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Days		
Francisella tularensis	PCR	Tissue	Leak proof container		2 Days		
Free T4 - Gamma 2 Step Method RIA Canine, Feline, Equine	REF OUT	Serum - 1 mL	Red top tube Do not use SST tube.	Freeze. Ship on ice packs.	2 Weeks		
Free T4 by Chemiluminescence Canine, Feline	REF OUT	Serum - 1 mL	Red top tube	Refrigerate up to 7 days. Freeze up to 1 month. Ship on ice packs.	1 Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Free T4 by Equilibrium Dialysis	REF OUT	Serum - 1 mL Separates Free T4 from bound T4 as well as from interfering proteins such as T4 binding proteins and autoantibodies.	Red top tube	Refrigerate up to 5 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
Fructosamine Canine, Feline	CHEM	Serum - 0.5 mL See also Combination Tests - Diabetic combo.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Fructosamine Canine, Feline Add on to Chemistry Panel	CHEM	Serum - 0.5 mL Add on to Small Animal Presurgical, Kidney/ Electrolyte, Liver or Standard Panel. Does not include the cost of the chemistry panel.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Fungal Culture Mycology	DIRECT EXAM & CULT	Hair or skin scrapings for dermatophytes	Tube or other container		1 - 3 Weeks		
Fungal Panel Serology	REF OUT	Serum - 2 mL (minimum 0.5 mL) or CSF (Cryptococcus only) - 2 mL in sterile container (minimum 0.1 mL) Cryptococcus, Aspergillus, Coccidioides, Blastomyces and Histoplasma Individual \$20.00 each except Cryptococcus which is \$30.00.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Gastrin	REF OUT	Serum - 0.5 mL 24 hr. fasting sample.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	1 Week		
Gentamicin	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
GGT	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
GGT/Creatinine Ratio Canine, Equine	CHEM	Urine - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Glasser's Disease	PCR	See Haemophilus parasuis					
GLDH	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Globulin		See Total Protein/Albumin/Globulin Panel					
Glucose	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Glutathione Peroxidase	ENZ	Heparinized whole blood - 2 mL Research/Special request - contact Lab.	Green top tube	Ship immediately with ice packs.	1 - 10 Days		
Haemophilus parasuis	PCR	Tissue, swab	Leak proof container		2 Days		
Haptoglobin	REF OUT	Serum or heparinized plasma - 0.5 mL	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
HDL (High Density Lipoprotein)	REF OUT	Serum - 1 mL Chol, Trig, HDL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Health Screen Combo - Basic CBC + Small Animal Standard Panel + UA Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Health Screen Combo - Basic CBC + Canine Standard Panel + UA Canine only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Health Screen Combo - Complete CBC + Canine Standard Panel + UA + T4 Canine only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Health Screen Combo - Complete CBC + Small Animal Standard Panel + UA + T4 Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		
Health Screen Combo - Mini CBC + Canine Standard Panel + T4 Canine only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL	Purple top tube, glass slides and red top tube	Refrigerate. Ship on ice packs.	1 Day		
Health Screen Combo - Mini CBC + Small Animal Standard Panel + T4 Feline only	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL	Purple top tube, glass slides and red top tube	Refrigerate. Ship on ice packs.	1 Day		
Heartworm	PARA	EDTA whole blood - 2 mL	Purple top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Heartworm IDEXX SNAP® 4Dx Plus Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL See Tick Transmitted Disease Panel.	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Hemoparasite Exam For Export	REF OUT	2 - 3 air dried EDTA blood smears, unstained, unfixed. Protect smears from moisture and formalin exposure.	Slides	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Herpesvirus sp.	PCR	Tissue - can be formalin fixed, paraffin embedded	Formalin in leak proof container or paraffin block		2 Days		
High Density Lipoprotein		See HDL					



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Acid Orcein Giemsa Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Alcian Blue Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Alcian blue with hyaluronidase	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Alcian Blue/PAS Stains	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Alizarin Red Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Allochrome	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Aluminum Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Churukian-Schenk Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Colloidal Iron Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Congo Red Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Duffy's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Feulgen Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Fite's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Fontana-Masson Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Formalin Pigment Removal	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Giemsa Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Gordon and Sweet's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Gram Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Grimelius' Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Grocott's Methenamine Silver and H&E Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Grocott's Methenamine Silver Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Hall's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Hematoxylin and Eosin Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Hematoxylin, Phloxine, Saffron Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Hematoxylin-Basic Fusion-Picric Acid Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Hematoxylin-Orcein-Phloxine-Saffron Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Holmes' Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Lendrum's Phloxine Tartrazine Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Luxol Fast Blue Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Luxol Fast Blue/H & E Stains	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Macchiavello's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Masson's Trichrome Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Melanin Bleach / H&E Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Mercury Pigment Removal Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Methyl Green Pyronine Y Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Neutral Red	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Oil Red O Stain	HC	Formalin fixed tissue Frozen section cutting costs also apply (see Histopathology Frozen Section Process - 1st and additional cuts)	Leak proof container	Ship to avoid freezing during cold months. Do not fix or ship in alcohol.	2 - 5 Working Days		
Histopathological Special Stain - Okajima's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Periodic Acid Methenamine Silver Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Periodic Acid Schiff Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Periodic Acid Schiff w/digestion (PASD)	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Perl's Prussian Blue Reaction Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Phosphotungstic Acid Hematoxylin Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Rhodanine Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Safranin O-Fast Green Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Schmorl's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Schorr's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Sirius Red Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Thioflavine T Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Toluidine Blue Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathological Special Stain - Von Kossa Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Warthin-Faulkner Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Weigert-Van Gieson's Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathological Special Stain - Ziehl-Neilsen Stain	HC	Paraffin block OR 4 - 6 micron section mounted on glass slide If paraffin block submitted cutting charges will also apply (see Histopathology Paraffin Process - regular and multi biopsy cassette, oversize cassette - recut from existing block).	Paraffin block - in a small plastic bag Glass slide - in a slide mailer	Ship blocks and/or slides at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathology - Frozen Section Process - additional cuts (2nd and subsequent cuts)	HC	Formalin fixed tissue	Leak proof container	Ship to avoid freezing during cold months. Do not fix or ship in alcohol.	2 - 5 Working Days		
Histopathology - Frozen Section Process - first cut	HC	Formalin fixed tissue	Leak proof container	Ship to avoid freezing during cold months. Do not fix or ship in alcohol.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathology - Paraffin Process - Multi biopsy cassette - process and embed	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Multi biopsy cassette - process, embed, cut, and stain H&E	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Multi biopsy cassette - process, embed, and cut	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Oversize cassette - process and embed	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Oversize cassette - process, embed and cut	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Oversize cassette - process, embed, cut, and stain H&E	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histopathology - Paraffin Process - Oversize cassettes - recut from existing block	HC	Paraffin block	Small plastic bag	Ship blocks at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathology - Paraffin Process - Regular and Multi biopsy cassette - recut from existing block	HC	Paraffin block	Small plastic bag	Ship blocks at ambient temperature in a sturdy mailing container.	2 - 5 Working Days		
Histopathology - Paraffin Process - Regular cassette - process and embed	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Regular cassette - process, embed, cut and stain H&E	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology - Paraffin Process - Regular cassette - process, embed, and cut	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology Process - Gross Trimming Tissue	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 - 5 Working Days		
Histopathology Process - Process only	HC	Formalin fixed tissue	Leak proof container	Fix tissue in 10% formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl or ethanol) for shipping in very cold weather.	2 Working Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Histophilus somni Serology	ELISA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 7 Days		
Histoplasma Serology	REF OUT	Serum - 0.5 mL (minimum - 0.1 mL)	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Histoplasmosis Histoplasma capsulatum Quantitative Antigen EIA	REF OUT	Urine - 1 mL (minimum - 0.5 mL) Serum, plasma, CSF or other normally sterile body fluid - 0.5 mL	Red, green or purple top tube	Refrigerate samples that will be tested before they are 2 weeks old. Freeze samples that will not be tested before they are 2 weeks old. Samples must be shipped frozen. Confirm storage on request form. Include a completed "Agent for Shipment" form.	1 Week		
Hypercalcemia Malignancy Profile Canine, Feline	REF OUT	Serum - 1 mL + EDTA plasma - 0.5 mL Fasting sample recommended. Avoid lipemia and hemolysis. PTHi, PTHrp and Ionized Calcium	Red and purple top tube	Centrifuge samples within 1 hr. after collection. Remove serum and plasma. Label tubes serum and EDTA plasma. Freeze ASAP. Ship frozen on ice packs. Must arrive below 60°F. Include a completed "Agent for Shipment" form.	2 Weeks		
Hyperkalemic Periodic Paralysis		See HYPP					
HYPP (Hyperkalemic Periodic Paralysis) Equine	REF OUT	EDTA whole blood - 2 mL or 15-20 plucked mane hairs with follicle.	Purple top tube (whole blood) or sterile screw top container (mane hairs)	Refrigerate. Ship on ice packs. Hair can be shipped at room temperature.	2 Weeks		
IBR (Infectious Bovine Rhinotracheitis)	PCR	Nasal, oral or genital swabs, lung, trachea, fetal liver	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
IBR (Infectious Bovine Rhinotracheitis) Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
IBR (Infectious Bovine Rhinotracheitis) Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		
IBR (Infectious Bovine Rhinotracheitis) FAT on Tissue	FAT	Liver (fetus) - for abortion cases Includes BVD exam. Lung - for respiratory disease - includes one other antigen (BVD, PI-3, BRSV). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
IBR (Infectious Bovine Rhinotracheitis) Virus Isolation in Cell Culture	ISO	Nasal, oral or genital swabs, lung, or trachea See Introduction page 16 for pricing on multiple samples.	Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
IGF1		See Insulin-Like Growth Factor					
IHC Stains - External Clients (Immunohistochemistry) Companion Animal	IHC	Formalin-fixed, paraffin embedded tissue See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
IHC Stains - External Clients (Immunohistochemistry) Food Animal	IHC	Formalin-fixed, paraffin embedded tissue See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
IHC Stains - PDS Pathology Cases (Immunohistochemistry) Companion Animal	IHC	Formalin-fixed, paraffin embedded tissue derived from PDS Necropsy cases. See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
IHC Stains - PDS Pathology Cases (Immunohistochemistry) Food Animal	IHC	Formalin-fixed, paraffin embedded tissue See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
Immunoglobulin Quantification 1st sample, per isotype	RID	Serum - 0.2 mL Contact lab for species and isotypes available.	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Immunohistochemical Stains - External Clients Food Animal	IHC	Formalin-fixed, paraffin embedded tissue See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
Immunohistochemical Stains - PDS Pathology Cases Companion Animal	IHC	Formalin-fixed, paraffin embedded tissue derived from PDS Necropsy cases. See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
Immunohistochemical Stains - PDS Pathology Cases Food Animal	IHC	Formalin-fixed, paraffin embedded tissue See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
Immunohistochemical Stains - External Clients Companion Animal	IHC	Formalin-fixed, paraffin embedded tissue See ' Comprehensive List of Antigens ' in Introduction.	Paraffin block		2 - 4 Days		
Infectious Bovine Rhinotracheitis (IBR)	PCR	Nasal, oral or genital swabs, lung, trachea, fetal liver	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Infectious Bovine Rhinotracheitis (IBR) Antibody Test	ELISA	Serum - 1 mL See also Bovine Respiratory Panel .	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Infectious Bovine Rhinotracheitis (IBR) Antibody Test	VN	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 3 Weeks		
Infectious Bovine Rhinotracheitis (IBR) FAT on Tissue	FAT	Liver (fetus) - for abortion cases Includes BVD exam. Lung - for respiratory disease - includes one other antigen (BVD, PI-3, BRSV). One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Infectious Bovine Rhinotracheitis (IBR) Virus Isolation in Cell Culture	ISO		Swab or leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Influenza - Avian CFIA Accredited Test	PCR	See Avian Influenza					
Influenza - Equine Genotyping A1 (H7), A2 (H3)	PCR	Done on Influenza A PCR Positive sample.			2 Days		
Insulin Canine, Equine	REF OUT	Serum - 1 mL Fasting sample. Avoid hemolysis.	Red top tube	Separate serum within 30 mins of collection. Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
Insulin Feline, Exotics	REF OUT	Serum - 1 mL Fasting sample. Avoid hemolysis.	Red top tube	Separate serum within 30 mins of collection. Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
Insulin/Glucose Ratio	REF OUT	Serum or plasma - 1 mL Fasting sample. Avoid hemolysis.	Red or green top tube	Separate serum within 30 mins of collection. Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Insulin-Like Growth Factor (IGF1)	REF OUT	Serum or plasma - 0.5 mL	Red or green top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Iodine	REF OUT	Serum or plasma - 1 mL (minimum - 0.5 mL) Can also be done on milk.	Red or green top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form. Additional paperwork may be required for large animals - contact lab before submitting samples.	1 - 3 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Ionized Calcium Saskatoon Clients Only	CHEM	Heparinized whole blood - 1 mL Serum is not acceptable. pH, pCO ₂ , pO ₂ , HCO ₃ , BE, Na, K, Cl, anion gap, glu, lactate, ionized (free) Ca	Heparinized syringe	Recap syringe immediately after collection (sample must remain anaerobic). Mix well and place on ice pack. Sample must be analyzed within 1 hour of collection. Ship on ice packs.	1 Day		
Iron		See Mineral Panel #1					
Iron/TIBC Iron Deficiency Anemia	REF OUT	Serum - 0.5 mL (minimum - 250 uL) See also Ferritin .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Ivermectin Sensitivity (Multi-Drug Resistance Gene, MDR1) Canine only	REF OUT	EDTA whole blood - 2 mL	Purple top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Johne's Disease	PCR	Feces, lymph node or intestine Do not submit fecal samples in gloves.	Leak proof container or red top tube	Refrigerate. Ship on ice packs.	2 Days		
Johne's Disease (Mycobacterium avium ssp. paratuberculosis)	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Johne's Disease (Mycobacterium paratuberculosis) Culture/Smear	DIRECT EXAM & CULT	Feces, tissues A negative culture takes up to 16 weeks to report. PCR recommended.	Leak proof container	Ship on ice packs.	Smear 1 Day Culture 16 Weeks		
Johne's Disease Pool 5:1	PCR	Feces (send individual), Pooling is done at the lab. Do not submit fecal samples in gloves. Increased turn-around-times may occur when submitting large numbers of samples. Please contact laboratory to discuss turn-around needs.	Leak proof container or red top tube	Refrigerate. Ship on ice packs.	2 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
KBr (Potassium Bromide)	IMMUL	Serum - 0.5 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Tues and Fri 2 PM cut off		
Kidney Panel Large Animal	CHEM	Serum - 0.4 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Kidney/Electrolyte Panel Small Animal	CHEM	Serum - 0.4 mL Na, K, Cl bicarb, anion gap, Ca, Pi, urea, creat, glu, Tprot, alb, glob, A:G ratio, Na:K ratio See also Combination Tests - Chronic Kidney Disease Combo.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Knott's Test - For Export Heartworm microfilaria	REF OUT	EDTA whole blood - 1 mL	Purple top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a "Serology Export" submission form.	1 Week		
Large Animal Kidney Panel	CHEM	Serum - 0.4 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Large Animal Liver Panel	CHEM	Serum - 0.2 mL urea, glu, Tbili, Dbili, Ibili, CK, AST, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Large Animal Presurgical Panel	CHEM	Serum - 0.2 mL Na, K, Cl, urea, creat, glu, CK, AST, GLDH, GGT, Tprot	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Large Animal Standard Panel	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, CK, AST, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Lawsonia intracellularis	PCR	Lesion in ileum, intestinal contents, feces or rectal swabs	Leak proof container or swab	Refrigerate. Ship on ice packs.	2 Days		
LDH Isoenzymes	REF OUT	Serum - 1 mL Includes LDH and LDH Isoenzymes.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
LDL (Low Density Lipoprotein)	REF OUT	Serum - 1 mL Chol, Trig, LDL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
LE Prep (Lupus Erythematosus Preparation)	CYTO	EDTA whole blood - 0.5 mL + 2 blood smears	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Lead	LEAD	Heparinized whole blood - 1 mL For tissue see Mineral Panel #3 or #4.	Green top tube	Refrigerate. Ship on ice packs.	2 - 5 Days		
Leishmania infantum - For Export IFA Screen	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a "Serology Export" submission form.	2 Days		
Leishmania infantum IFA Titer	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a "Serology Export" submission form.	2 Weeks		
Leishmania PCR	REF OUT	EDTA whole blood - 2 mL or lymph node aspirate Leishmania infantum & donovani	Purple top tube or sterile container	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	4 Weeks		
Leptospire canicola - For Export MAT	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a "Serology Export" submission form.	2 Weeks		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Leptospirosis - Not For Export Bovine, Caprine, Ovine, Porcine MAT	REF OUT	Serum - 1 mL Leptospira pomona, hardjo-bovis, icterohaemorrhagiae	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Leptospirosis - Not For Export Canine MAT	REF OUT	Serum - 1 mL Leptospira pomona, icterohaemorrhagiae, canicola, autumnalis, grippotyphosa, bratislava, hardjo	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Leptospirosis - Not For Export Equine MAT	REF OUT	Serum - 1 mL Leptospira pomona, grippotyphosa, bratislava	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Lipase	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See also Canine Standard Panel or Pancreas Panel .	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Lipoprotein Electrophoresis Canine, Feline	REF OUT	Serum - 2 mL absolute minimum Fasting sample.	Red top tube	Freeze. Ship on ice packs.	Variable		
Liver Panel Large Animal	CHEM	Serum - 0.2 mL urea, glu, Tbili, Dbili, Ibili, CK, AST, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Liver Panel Small Animal	CHEM	Serum - 0.2 mL urea, glu, chol, Tbili, Dbili, Ibili, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Low Density Lipoprotein		See LDL					
Lungworm	PARA	Feces - 5-10 grams See Baermann Test.	Leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Lupus Erythematosus Preparation (LE Prep)	CYTO	EDTA whole blood - 0.5 mL + 2 blood smears	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Luteinizing Hormone Canine, Feline (male or female)	ImmMIG	Serum - 0.5 mL For neutering status, please collect 2 samples one hour apart. Second sample will only be analyzed if first sample is not definitive.	Red top tube	Refrigerate. Ship on ice packs.	24 Hours after Receipt		
Lyme Disease Multiplex Equine	REF OUT	Serum - 2 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Week		
Lyme Disease IDEXX SNAP® 4Dx Plus Test	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL See Tick Transmitted Disease Panel .	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Lyme Titer Equine IFA	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Magnesium	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Magnesium		See Mineral Panel #1					
Malignancy Profile - Hypercalcemia		See Hypercalcemia Malignancy Profile					
Malignant Catarrhal Fever (MCF)	PCR	Kidney, liver, brain or EDTA whole blood - 1 mL Can be formalin-fixed, paraffin-embedded.	Purple top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Manganese		See Mineral Panel #1					
Mannheimia haemolytica	ELISA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	2 - 7 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Manual Platelet Count	HEM	EDTA whole blood - 0.5 mL + 2 blood smears Not available on overnight specimens or when platelets are clumped. Automatically performed if most recent CBC indicated thrombocytopenia or is newly discovered. Not available on all species.	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Masticatory Muscle Myositis		See 2M Antibody					
Mastitis Culture	CULT	Milk - single sample Discounts apply if submitting 2 or more - \$8.00 each supported, \$9.00 each list. Additional charge per significant organism - see Antimicrobial Sensitivity. Contact lab before submission.	Sterile, leak proof container	Ship on ice packs.	2 - 4 Days		
MCF (Malignant Catarrhal Fever)	PCR	Kidney, liver, brain or EDTA whole blood - 1 mL Can be formalin-fixed, paraffin-embedded.	Purple top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
MDR1		See Ivermectin Sensitivity					
MDR1: Ivermectin Sensitivity		See Ivermectin Sensitivity					
Mercury	ICP-MS	Heparinized whole blood or urine - 2 mL Tissue - liver or kidney (fresh or frozen) - 2-5 grams. Microwave digestion and ICP-MS analysis.	Green top tube or leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Methemoglobin	SPEC	Heparinized whole blood - 2 mL	Green top tube	Ship immediately with ice packs.	2 - 5 Days		
Mineral Panel - Single Test	ICP-MS	Any single test from Mineral Panel #1, #2, #3 or #4. See Mineral Panel for sample requirements/comments.		Refrigerate. Ship on ice packs.	2 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Mineral Panel #1	ICP-MS	Heparinized plasma or serum - 2 mL Liver (fresh or frozen) - 2-5 grams Contact lab for other types of samples. (Mg, Mn, Fe, Co, Cu, Zn, Se, Mo) Microwave digestion and ICP-MS analysis.	For best zinc results submit dark blue top tubes 6526 or 6527. Red or green top tube or leak proof container.	Refrigerate. Ship on ice packs.	2 - 5 Days		
Mineral Panel #2	ICP-MS	Liver or brain (fresh or frozen) - 2-5 grams Contact lab for other types of samples. K, Ca, Na Microwave digestion and ICP-MS analysis.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Mineral Panel #3	ICP-MS	For lead; heparinized whole blood - 2 mL Heparinized blood, plasma or serum - 2 mL Tissue (fresh or frozen) - 2-5 grams. Contact lab for other types of samples. (Tl, Pb, As, Cd) Microwave digestion and ICP-MS analysis.	Green or red top tube or leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Mineral Panel #4	ICP-MS	For lead; heparinized whole blood - 2 mL Tissue (fresh or frozen) - 2-5 grams. (Be, Mg, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As, Se, Sr, Mo, Cd, Sn, Sb, Ba, Tl, Pb, Bi) Contact lab for other types of samples or other possible elements. Microwave digestion and ICP-MS analysis.	Green top tube or leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Mites Skin Scraping	PARA	Deep skin scraping, vacuum sample or hair	Screw top container or red top tube		1 Day		
Molybdenum		See Mineral Panel #1					
Multi-APP Serology (Actinobacillus pleuropneumoniae)	ELISA	Serum - 1 mL Referred out test.	Red top tube	Refrigerate. Ship on ice packs.	3 - 7 Days		
Multi-Drug Resistance Gene		See Ivermectin Sensitivity					



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Muscle Biopsy	REF OUT	Phone for special collection instructions. Lab MUST be notified one day prior to sample collection. Samples MUST be in the lab by 10:00 AM the day of collection. Also available as Muscle/Nerve Profile , contact lab.		Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 Weeks		
Myasthenia Gravis (Acetylcholine Receptor Antibody)	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 Weeks		
Mycobacterium avium ssp. avium	PCR	Tissue	Leak proof container		2 Days		
Mycobacterium avium ssp. Paratuberculosis (Johne's Disease)	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Mycobacterium avium ssp. Paratuberculosis Culture and PCR		See Johne's Disease					
Mycobacterium bovis	PCR	Fixed tissues	Leak proof container		2 Days		
Mycobacterium sp.	PCR	Fixed tissues	Leak proof container		2 Days		
Mycology - Fungal Culture		See Fungal Culture					
Mycoplasma bovis	PCR	Swabs, lung or joint	Swab or leak proof container		2 Days		
Mycoplasma gallisepticum / Synoviae	PCR	Swabs, respiratory tract or broth culture	Swab or leak proof container		2 Days		
Mycoplasma haemofelis and M. haemominutum	PCR	EDTA or Citrated whole blood - 1 mL	Purple or blue top tube (citrate)	Refrigerate. Ship on ice packs.	2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Mycoplasma hyopneumoniae	PCR	Fresh or fixed lung tissue, oral fluids - 1 mL	Red top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Mycoplasma hyopneumoniae DAKO	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Mycoplasma hyopneumoniae IDEXX	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Mycoplasma hyorhinis	PCR	Fresh or fixed lung tissue, oral fluids - 1 mL	Red top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Mycoplasma hyosynoviae	PCR	Fresh or fixed lung tissue, oral fluids - 1 mL	Red top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Mycoplasma sp. Identification by Gene Sequencing	PCR	Genetic material					
Mycotoxin and Ergot Combo Panel 12 Mycotoxins and 6 Ergots	LCMS	Sample size - 200-2000 grams See website for sampling instructions. Mycotoxins - Aflatoxin B1, ochratoxin, zearalenone, alpha-zearalenol, beta-zearalenol, T-2 toxin, HT-2 toxin, deoxynivalenol, 3-acetyl-deoxynivalenol, 15-acetyl-deoxynivalenol, nivalenol and diacetoxyscirpenol Ergot - ergosine, ergocorine, ergocristine, ergocryptine, ergotamine, and ergometrine	Resealable plastic bag		2 - 7 Days add 2 days if drying required		
Mycotoxin Panel 12 Mycotoxins	LCMS	Sample size - 200-2000 grams See website for sampling instructions. Includes Aflatoxin B1, ochratoxin, zearalenone, alpha-zearalenol, beta-zearalenol, T-2 toxin, HT-2 toxin, deoxynivalenol, 3-acetyl-deoxynivalenol, 15-acetyl-deoxynivalenol, nivalenol and diacetoxyscirpenol	Resealable plastic bag		2 - 7 Days add 2 days if drying required		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Myoglobin	FILT	Urine - 3 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Nasal Swab Culture	CULT	Nasal swab No sensitivity. Projects - contact the lab.	Swab	Ship on ice packs.	3 Days		
NDV (Newcastle Disease Virus)		See Avian Paramyxovirus 1					
NEFA (Non-esterified fatty acids) Bovine	CHEM	Serum or EDTA Plasma - 0.5 mL	Red or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Neorickettsia risticii		See Potomac Horse Fever					
Neospora - Bovine	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Neospora caninum IFA Canine only	REF OUT	Serum - 2 mL Can also be done on CSF - 0.5 uL (absolute minimum).	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Neospora Canine IFA	REF OUT	Serum or CSF - 2 mL (minimum - 20 uL)	Red top tube (serum), sterile container (CSF)	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Nerve Biopsy	REF OUT	Phone for special collection instructions. Lab MUST be notified one day prior to sample collection. Samples MUST be in the lab by 10:00 AM the day of collection. Also available as Muscle/Nerve Profile, contact lab.		Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 Weeks		
Newcastle Disease Virus (NDV, Avian Paramyxovirus 1)	PCR	Tissue or swab Submit sample by 10:00 A.M.	Leak proof container or swab	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Newcastle Disease Virus (NDV, Avian Paramyxovirus 1) Fusion Gene	PCR	Done on Avian Paramyxovirus Matrix PCR positive samples.					
Nickel		See Mineral Panel #4					
Nitrate Screen	TOX	Feed - 5 grams or GI contents - 2-5 grams	Leak proof container		1 - 2 Days		
Nitrite Quantitative	SPEC	Heparinized whole blood or plasma - 2 mL, ocular fluid - 1 mL	Green or red top tube	Ship immediately with ice packs.	1 - 2 Days		
Non-Esterified Fatty Acids (NEFA) Bovine	CHEM	Serum or EDTA plasma - 0.5 mL	Red or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Occult Blood	CARD	Feces - 3 grams; ~1 tsp May take up to 72 hours to confirm results. Meat free diet for 72 hours prior to testing is recommended.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 4 Days		
OPP (Ovine Progressive Pneumonia) Antibody Test	ELISA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		
Orf Virus Virus Isolation in Cell Culture	ISO	Vesicle or lesion scrapings See Introduction page 16 for pricing on multiple samples. Please contact Laboratory for information regarding turn around times.		Refrigerate. Ship on ice packs.			
Osmolality - Measured	FREEZE	Fluid, serum or urine - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Ovine Herpesvirus 2 (Malignant Catarrhal Fever, MCF)	PCR	Kidney, liver, brain or EDTA whole blood - 1 mL Can be formalin-fixed, paraffin-embedded.	Purple top tube or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Ovine Progressive Pneumonia Antibody Test	ELISA	Serum - 0.2 mL	Red top tube	Refrigerate. Ship on ice packs.	Once per Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Packed Cell Volume/Total Protein (PCV/TP)	HEM	Heparinized hematocrit tube or EDTA whole blood	Heparinized hematocrit tubes or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Packed Cell Volume/Total Protein and Blood Smear Evaluation	HEM	2 unstained blood smears + heparinized hematocrit tubes or EDTA whole blood	Glass slides and heparinized hematocrit tubes or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
Pancreas Panel	CHEM	Serum - 0.2 mL amylase, lipase Included in the Canine Standard Panel.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Pancreatic Lipase Immunoreactivity		See PLI					
Panleukopenia (Feline Parvovirus) Virus Isolation in Cell Culture	ISO	Feces or intestine See Introduction page 16 for pricing on multiple samples.	Leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Parasite Species Identification	PARA	Sample with parasite	Screw top container or red top tube		2 - 14 Days		
Parathyroid Hormone Intact and Ionized Calcium		See PTHi or Hypercalcemia Malignancy Profile					
Parathyroid Hormone Related Protein		See PTHrp or Hypercalcemia Malignancy Profile					
Parentage Testing	REF OUT	EDTA whole blood - 2 mL, 15-20 hairs (must include root bulb) equine/bovine only, or buccal swab. For parentage testing, samples from one or two parents plus offspring are required.	Purple top tube, swab or hair in red top tube.	Refrigerate. Ship on ice packs.	14 - 21 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
PARR	REF OUT	EDTA whole blood - minimum 200 uL, lymph node and other organ aspirated into an EDTA tube or slides made, cavity fluid in EDTA or on a slide, CSF - multiple cytopsin preps are best but can also send EDTA. In order for CSF to be diagnostic you need 50,000 cells - if your white count is 100 they need 0.5 mLs of CSF.	Purple top tube or slides	Refrigerate. Ship on ice packs.	1 week		
Partial Thromboplastin Time (PTT)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
Parvovirus Vaccine Titers IFA Canine	REF OUT	Serum - 1 mL See also Vaccine Panel.	Red top tube	Refrigerate 5 days. Freeze for longer storage. Ship on ice packs.	1 Week		
Parvovirus (Feline Panleukopenia) Virus Isolation in Cell Culture	ISO	Feces or intestine See Introduction page 16 for pricing on multiple samples.	Leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Parvovirus Canine Antigen SNAP®ELISA	ELISA	Feces	Leak proof container	Refrigerate. Ship on ice packs.	1 Day		
Parvovirus Canine FAT on Tissue	FAT	Intestine One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Parvovirus Canine Virus Isolation in Cell Culture	ISO	Feces or Intestine Preferred test if diarrhea is present for several days. See Introduction page 16 for pricing on multiple samples.	Leak proof container	Refrigerate. Ship on ice packs.	7 - 8 Days		
Pasteurella multocida Toxin Detection (Tox A)	PCR	Bacterial Culture		Refrigerate. Ship at room temperature.	2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Pathology, Gastrointestinal Biopsies 3 or Less Sites, Fixed, for Histopathology	SURG	Full-thickness or endoscopic gastrointestinal biopsies.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather.	3 - 5 Days		
Pathology, Gastrointestinal Biopsies 4 or More Sites, Fixed, for Histopathology	SURG	Full-thickness or endoscopic gastrointestinal biopsies.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather.	3 - 5 Days		
Pathology, Necropsy - after hours admission fee	NECR	Call back fee for staff to receive specimens after normal working hours.					
Pathology, Necropsy - Gross Examination and Histopathology if Required Companion animals/Pets and Saskatchewan Companion Horses	NECR	Whole animals for Post-mortem examination. If more than 10 Histopathology slides are required per submission, the appropriate Histopathology-Paraffin process, embed, cut, and stain H&E fee will apply for each slide.	Leak proof container or vehicle (covered)	Chill and ship to lab as soon as possible after death.	5 - 10 Days		
Pathology, Necropsy - Gross Examination and Histopathology if Required Fetus	NECR	Fetus and placenta for post-mortem examination.	Leak proof container or vehicle (covered)	Chill and ship to lab as soon as possible after death.	5 - 10 Days		
Pathology, Necropsy - Gross Examination and Histopathology if Required Herd/Flock Submission	NECR	Up to 3 whole animals under 100 kg for Post-mortem examination and histopathology. If more than 10 Histopathology slides are required per submission, the appropriate Histopathology-Paraffin process, embed, cut, and stain H&E fee will apply for each slide.	Leak proof container or vehicle (covered)	Chill and ship to lab as soon as possible after death.	5 - 10 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Pathology, Necropsy - Gross Examination and Histopathology if Required Insurance, Legal or Emergency Case	NECR	Whole animals for Post-mortem examination, includes histopathology if required. SPCA Investigation exempt during normal working hours, use Regular Fee.	Leak proof container or vehicle (covered)	Chill and ship to lab as soon as possible after death.	5 - 10 Days		
Pathology, Necropsy - Gross Examination and Histopathology if Required Livestock/Food Animals and Horses from outside Saskatchewan	NECR	Whole animals for Post-mortem examination. If more than 10 Histopathology slides are required per submission, the appropriate Histopathology-Paraffin process, embed, cut, and stain H&E fee will apply for each slide.	Leak proof container or vehicle (covered)	Chill and ship to lab as soon as possible after death.	5 - 10 Days		
Pathology, Necropsy - Release of Remains for Cremation Companion Animal	NECR	Whole animal preparation for individual cremation. Certain conditions apply. Please contact the lab for details.	Leak proof container				
Pathology, Necropsy - Release of Remains for Cremation Large Animal	NECR	Whole animal preparation for individual cremation. Certain conditions apply. Please contact the lab for details.	Leak proof container				
Pathology, Necropsy Brain Removal Only For Scrapie Testing; Consult with RRAV as approval required prior to brain removal only requests for Rabies testing	NECR	Head or whole animal Necropsy not performed.	Leak proof container	Chill or freeze as soon as possible after death. Ship to lab in Leak-proof container with individual identification attached to specimen.			
Pathology, Necropsy Samples 3 Tissues or Less Fixed or Fresh for Histopathology	NECR	Up to 3 Tissues, excluding brain, or a single mass ≤ 2 cm diameter. For whole organs and large masses see "4 or more tissues" .	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather. Keep Fresh tissues cool (ice packs) and separated from fixative.	3 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Pathology, Necropsy Samples 4 or More Tissues Fixed or Fresh for Histopathology	NECR	More than 3 tissues or one whole organ, such as brain. If more than 10 Histopathology slides are required per submission, the appropriate Histopathology-Paraffin process, embed, cut, and stain H&E fee will apply for each slide.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather. Keep Fresh tissues cool (ice packs) and separated from fixative.	3 Days		
Pathology, Necropsy Samples Fixed or Fresh for Histopathology Herd/Flock Submission	NECR	Tissues Samples from up to 3 animals for histopathology. If more than 10 Histopathology slides are required per submission, the appropriate Histopathology-Paraffin process, embed, cut, and stain H&E fee will apply for each slide.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather. Keep Fresh tissues cool (ice packs) and separated from fixative.	5 - 10 Days		
Pathology, Skin Biopsy/ Dermatohistopathology	DERM	Skin - 6 mm punch or strip biopsies preferred. Skin or orifice lesions but not obvious masses or cysts. Additional charges will apply for > 5 biopsies.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol for shipping in very cold weather.	2 - 3 Days		
Pathology, Skin or Dermatohistopathology Biopsy Second Opinion (Slides Only)	DERM	Histology slides for second opinion.	Slides	Mark as ' Fragile '.			
Pathology, Skin/ Dermatohistopathology or Surgical Biopsy Repeat Submission	DERM	Repeat Biopsy - Must be requested by a pathologist and include previous case number in history.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol for shipping in very cold weather.	2 - 3 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Pathology, Specimen Preparation Fee Fixed and/or Fresh organs/tissue.	NECR	Fixed or Fresh Tissue submitted for Histopathology or Microbiology testing that are too large for the test(s) requested unless additional preparation/sectioning/trimming is performed to obtain the ideal anatomic location for testing. Includes bone cutting with bandsaw, dissection of large organs and sample sub-selection for culture.	Leak proof containers individually labeled				
Pathology, Surgical Biopsies 3 Masses/Tissues or Less, Fixed or Fresh for Histopathology	SURG	Incisional (punch or wedge) or excisional biopsy. Up to 3 tissues AND if the single or multiple (up to 3) tissues 'fit' into the 6 x 6 cm grid. (see: Introduction ' Special Information for Surgical/Dermatological Submission ') [Excluding Dermatohistopathology and Gastrointestinal Biopsies] If more than 10 Histopathology slides are required per submission, each additional slide will be charged the appropriate Histopathology-Paraffin process, embed, cut, and stain H & E fee.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather.	3 - 5 Days		
Pathology, Surgical Biopsies 4 or More Masses/Tissues, Fixed or Fresh for Histopathology	SURG	Incisional (punch or wedge) or excisional biopsy. Four or more tissues OR if the base of any of the submitted tissues (single or combined) exceeds the 6 x 6 cm grid. (see: Introduction ' Special Information for Surgical/Dermatological Submission ') [Excluding Dermatohistopathology and Gastrointestinal Biopsies] If more than 10 Histopathology slides are required per submission, each additional slide will be charged the appropriate Histopathology-Paraffin process, embed, cut, and stain H & E fee.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather. Keep Fresh tissues cool (ice packs) and separated from fixative.	3 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Pathology, Surgical Biopsy 1 site Second Opinion (Slides Only)	SURG	Histology slides for second opinion. (\$15.00 for each additional site)	Slides	Mark as 'Fragile'.			
Pathology, Surgical Biopsy or Necropsy Sample Fixed or Fresh for Histological Identification only	SURG	Fixed tissue, such as vas deferens For Identification only. No histological description provided.	Leak proof containers individually labeled	Fix in 10% Formalin for a minimum of 24 hours. Transfer tissues to 70% alcohol (isopropyl, ethyl or rubbing alcohol) for shipping in very cold weather. Keep Fresh tissues cool (ice packs) and separated from fixative.	3 - 5 Days		
PCR for antigen receptor rearrangements		See PARR					
PCV/TP (Packed Cell Volume/Total Protein)	HEM	Heparinized hematocrit tube or EDTA whole blood	Heparinized hematocrit tubes or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
PCV/TP/Blood Smear Evaluation	HEM	2 unstained blood smears + heparinized hematocrit tubes or EDTA whole blood	Glass slides and heparinized hematocrit tubes or purple top tube	Refrigerate. Ship on ice packs.	1 Day		
PEDV (Porcine Epidemic Diarrhea Virus)	PCR	Jejunum, ileum or colon, feces See also Porcine Corona Panel . Single sample tested outside scheduled days, will have an additional \$30.00 STAT Fee applied.	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Phenobarbital	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Tues and Fri 2 PM cut off		
Phenobarbital/Potassium Bromide	IMMUL	Serum - 0.7 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Tues and Fri 2 PM cut off		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Phosphorus, Inorganic	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Plasma Separation	HEM	Separation of a unit of blood into plasma and packed cells for transfusion purposes. Please call to make arrangements.	Collection bag of blood	Refrigerate. Ship on ice packs.			
Platelet Count Manual	HEM	EDTA whole blood - 0.5 mL + 2 blood smears Not available on overnight specimens or when platelets are clumped. Automatically performed if most recent CBC indicated thrombocytopenia or is newly discovered. Not available on all species.	Purple top tube and glass slides	Refrigerate. Ship on ice packs.	1 Day		
Platinum	ICP-MS	Plasma, serum or heparinized whole blood - 2 mL. Tissue (fresh or frozen) - 2-5 grams Contact lab for other types of samples. Microwave digestion and ICP-MS analysis.	Green or red top tube or leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Days		
PLI (Pancreatic Lipase Immunoreactivity) Canine (spec cPL), Feline (spec fPL)	REF OUT	Serum - 1 mL (plasma is not acceptable) Fasting sample is preferred.	Red top tube	Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	1 Week		
PMSG (Pregnant Mare's Serum Gonadotropin)	ImmMIG	Serum - 0.5 mL Useful from 38-120 days gestation.	Red top tube	Refrigerate. Ship on ice packs.	24 Hours after Receipt		
Porcine Circovirus-2 Realtime PCR	PCR	Tissue, serum - 1 mL or feces, oral fluids	Leak proof container or red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Porcine Corona Panel (PEDV, TGEV, PdCov)	PCR	Jejunum, ileum or colon, feces Sample must be received by 10:00 A.M. for same day results. Single sample tested outside scheduled days, will have an additional \$30.00 STAT Fee applied.	Leak proof container or red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Porcine Epidemic Diarrhea Virus (PEDV)	PCR	Jejunum, ileum or colon, feces See also Porcine Corona Panel . Single sample tested outside scheduled days, will have an additional \$30.00 STAT Fee applied.	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Porcine Parvovirus	PCR	Tissue	Leak proof container or swab	Refrigerate. Ship on ice packs.	2 Days		
Porcine Parvovirus FAT on Tissue	FAT	Fetal lung One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Porcine Reproductive & Respiratory Syndrome (PRRS)	ELISA	Serum - 1 mL Same day results if received by 9:00 A.M.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Porcine Reproductive & Respiratory Syndrome (PRRS)	IFA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Porcine Reproductive & Respiratory Syndrome (PRRS) NorthAm /Eu RT-PCR - pool 3:1	PCR	Dacron swab, semen, oral fluids - 1 mL or serum - 1 mL; adult tonsil or lung; fetal thoracic fluid or thymus. Sample must be received by 10:00 A.M. for same day results. Single sample tested outside scheduled days, will have an additional \$30.00 STAT Fee applied.	Swab or red top tube	Refrigerate. Ship on ice packs.	Mon and Thurs Same Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Porcine Rotavirus	EM	Feces	Leak proof container	Refrigerate. Ship on ice packs.	Dependent on Equipment Availability		
Porcine Rotavirus FAT on Tissue	FAT	Small Intestine Only Group A detected. Includes TGE exam. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Porcine Rotavirus Group specific (A, B, or C)	PCR	Jejunum or ileum, feces	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Potassium	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Electrolytes for Na, K, Cl. See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Potassium		See Mineral Panel #2					
Potassium Bromide (KBr)	IMMUL	Serum - 0.5 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Tues and Fri 2 PM cut off		
Potassium Bromide/ Phenobarbital	IMMUL	Serum - 0.7 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Tues and Fri 2 PM cut off		
Potomac Horse Fever Neorickettsia risticii IFA	REF OUT	Serum - 2 mL	Red top tube	Refrigerate up to 5 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
Presurgical Combo CBC + Presurgical Panel + UA Canine, Feline	COMBO	EDTA whole blood + 2 blood smears + serum - 0.5 mL + urine - 3 mL Urine must be received at same time as blood samples in order for combination pricing to apply.	Purple top tube, glass slides and red top tube for urine and serum Please label urine vs. serum.	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Presurgical Panel Large Animal	CHEM	Serum - 0.2 mL Na, K, Cl, urea, creat, glu, CK, AST, GLDH, GGT, Tprot	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Presurgical Panel Small Animal	CHEM	Serum - 0.2 mL Na, K, Cl, CK, urea, creat, glu, ALP, ALT, GLDH, GGT, Tprot See also Combination Tests - Pre Surgical Combo.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Progesterone 1 Sample	RIA	Serum - 0.5 mL Discounts apply if more than one sample is submitted.	Red top tube	Refrigerate. Ship on ice packs.	Mon - Fri 24 Hours after Receipt		
Protein - CSF	CHEM	CSF - 0.1 mL in red-top tube	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Protein Electrophoresis	REF OUT	Serum - 0.5 mL (minimum - 250 uL), urine - 5 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Week		
Protein/Creatinine Ratio	CHEM	Urine - 1 mL See also Combination Tests - Chronic Kidney Disease Combo or Urine Protein/Creatinine Ratio/Urinalysis Combo	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Prothrombin Time (PT)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
PRRS (Porcine Reproductive & Respiratory Syndrome)	ELISA	Serum - 1 mL Same day results if received by 9:00 A.M.	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
PRRS (Porcine Reproductive & Respiratory Syndrome)	IFA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
PRRS (Porcine Reproductive & Respiratory Syndrome) NorthAm /Eu RT-PCR - pool 3:1	PCR	Dacron swab, semen, oral fluids - 1 mL or serum - 1 mL; adult tonsil or lung; fetal thoracic fluid or thymus Sample must be received by 10:00 A.M. for same day results. Single sample tested outside scheduled days, will have an additional \$30.00 STAT Fee applied.	Swab or red top tube	Refrigerate. Ship on ice packs.	Mon and Thurs Same Day		
PT (Prothrombin Time)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
PTHi and Ionized Calcium (Parathyroid Hormone, Intact) Canine, Feline, Equine	REF OUT	Serum - 1 mL 12 hr. fasting sample. Avoid hemolysis and lipemia.	Red top tube	Allow to clot 30 - 60 minutes prior to separation. Remove serum. Freeze ASAP. Ship frozen on ice packs. Must arrive below 60 ^o F. Include a completed "Agent for Shipment" form.	2 - 5 Days		
PTHrp (Parathyroid Related Protein)	REF OUT	EDTA plasma - 0.5 mL 12 hr. fasting sample. Avoid hemolysis and lipemia.	Purple top tube	Remove plasma within 1 hr. of collection. Label as plasma. Freeze immediately. Ship frozen on ice packs. Must arrive below 60 ^o F. Include a completed "Agent for Shipment" form.	2 - 5 Days		
PTT (Partial Thromboplastin Time)	COAG	Citratd plasma or citratd whole blood Citratd collection tubes available, contact lab.	Blue top tube (citrate) Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plain plastic tube or plastic syringe - DO NOT use red top tube. Ship frozen.	1 Day		
Rabbit E. cunucli Panel	REF OUT	Heparinized whole blood - 1 mL Included E. cunucli IgG and IgM + CRP.	Green top tube	Refrigerate. Ship on ice packs.	1 Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Rabies Titer - Endpoint Not for Export	REF OUT	Serum - 1 mL RFFIT - not for export - microchip not required.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 - 4 Weeks		
Rabies Titer - For Export	REF OUT	Serum - 1 mL FAVN - for export - microchip required.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form and a completed "FAVN Report" submission form	3 - 4 Weeks		
Rabies Titer - Screen Not for Export Canine, Feline	REF OUT	Serum - 1 mL Micro RFFIT - not for export - microchip not required.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 - 4 Weeks		
Rabies/Parvovirus/Distemper Adenovirus Vaccine Titters Canine	REF OUT	Serum - 2 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 - 4 Weeks		
Relaxin Canine, Feline	ImmMIG	Serum - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs.	24 Hours after Receipt		
Salmonella sp Culture Herd Screening, Environmental Samples, Poultry Fluffs/Dust	CULT	Feces, swabs, sponges, Poultry Fluffs/Dust No sensitivity. Contact lab for volume discount.	Sterile, leak proof container or swab	Ship on ice packs.	5 Days		
Salmonella Serotyping	REF OUT	Bacterial Culture Typing to reference lab.	Leak proof container		Contact Lab		
Scrapie BioRad ELISA	ELISA	Fresh or frozen obex, lymph node or brain. Contact lab for appropriate sample by species.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Weeks		
Selenium		See Mineral Panel #1					
Semen	CULT	Semen Aerobic and anaerobic culture. Total bacterial count. No sensitivity.	Sterile, leak proof container	Anaerobic Culture - DO NOT refrigerate.	3 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Serum Spin/Save	STORE	Serum is stored for 6 months at -20°C then discarded (does not apply to Research samples). Samples (including Research samples) are routinely held for 1 week at no extra charge & then discarded.					
Serum Spin/Save Virology	STORE	Stored for 2 weeks.					
Skin Biopsies		See Pathology, Skin Biopsy/ Dermatohistopathology					
Small Animal Kidney/Electrolyte Panel	CHEM	Serum - 0.4 mL Na, K, Cl bicarb, anion gap, Ca, Pi, urea, creat, glu, Tprot, alb, glob, A:G ratio, Na:K ratio See also Combination Tests - Chronic Kidney Disease Combo.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Small Animal Liver Panel	CHEM	Serum - 0.2 mL urea, glu, chol, Tbili, Dbili, Ibili, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Small Animal Presurgical Panel	CHEM	Serum - 0.2 mL Na, K, Cl, CK, urea, creat, glu, ALP, ALT, GLDH, GGT, Tprot See also Combination Tests - Pre Surgical Combo.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Small Animal Standard Panel Canine Only	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio, amylase, lipase See also Combination Tests.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Small Animal Standard Panel Small mammals; excluding Canine	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio. For Canines see Canine Standard Panel . See also Combination Tests .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Sodium	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Electrolytes for Na, K, Cl. See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Sodium		See Mineral Panel #2					
Standard Panel - Canine Canine Only	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio, amylase, lipase See also Combination Tests .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Standard Panel Large Animal	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, Dbili, Ibili, CK, AST, GLDH, GGT, Tprot, alb, glob, A:G ratio	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Standard Panel Small mammals; excluding Canine	CHEM	Serum - 0.5 mL Na, K, Cl, bicarb, anion gap, Ca, Pi, Mg, urea, creat, glu, Tbili, chol, CK, ALP, ALT, GLDH, GGT, Tprot, alb, glob, A:G ratio. For Canines see Canine Standard Panel . See also Combination Tests .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
STAT Fee Clinical Pathology	STAT	Applies to all "STAT" requests and to all samples received after 3:00 P.M. which require same day results. Pathologist interpretation included. "STAT" Cytology must be in the Clinical Pathology lab by 4 P.M. for same day results.			2 Hours		
STAT Fee Endocrine	STAT	Sample rec'd after 2 PM that require results or Phenobarb/KBr results that are required on days other than Tuesday or Friday.					
STAT Fee PCR	STAT	Fee applies to all "STAT" requests.					
Strangles		See Streptococcus equi					
Streptococcus equi Antibody ELISA	REF OUT	Serum - 1 mL Does not distinguish between vaccination and infection.	Red top tube	Refrigerate. Ship on ice packs.	2 Weeks		
Streptococcus equi	PCR	Nasal swab See also Equine Respiratory Panel.	Swab	Refrigerate. Ship on ice packs.	1 - 2 Days		
Strontium		See Mineral Panel #4					
Strychnine	EXTRAC	Stomach, gizzard contents, meat, grain, crop contents or bait samples - 5 grams. Contact lab for other types of samples. Solvent extraction analysis.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Surgical Biopsies		See Pathology, Surgical Biopsy					
Swine Influenza	PCR	Nasal swab, fresh lung tissue, oral fluids - 1 mL	Leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Swine Influenza A	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Swine Influenza Genotyping H1, H3	PCR	Done on SIV Matrix PCR positive sample.			2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
T3 (Triiodothyronine)	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types. Note: EDTA Plasma samples are not acceptable.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
T4 (Thyroxine)	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types. Note: EDTA Plasma samples are not acceptable.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
T4/TSH Canine	IMMUL	Serum - 0.3 mL	Red top tube Analyses have not been tested with all possible sample types. Note: EDTA Plasma samples are not acceptable.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Taurine	REF OUT	Serum or EDTA plasma - 0.5 mL	Red or purple top tube	Refrigerate. Ship on ice packs.	2 - 3 Days		
Testosterone 1 Sample 2 samples preferred in most cases	RIA	Serum - 0.5 mL each Please run GnRH or hCG stim if male's gonadal status is in question. Discounts apply if more than one sample is submitted.	Red top tube	Refrigerate. Ship on ice packs.	2 Days		
TGE (Transmissible Gastroenteritis) FAT on Tissue	FAT	Jejunum, ileum or colon Includes rotavirus exam. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
TGE (Transmissible Gastroenteritis) TGE / PRCV Differentiation	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
TGEV (Transmissible Gastroenteritis virus)	PCR	Jejunum, ileum or colon, feces	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Thallium		See Mineral Panel #3 or #4					
Thyroglobulin Autoantibodies Canine	REF OUT	Serum - 1 mL	Red top tube	Refrigerate up to 5 days. Freeze for longer storage. Ship on ice packs.	1 Week		
Thyroid Panel - Mini Canine	REF OUT	Serum - 2 mL T4, Free T4, TSH No Interpretation provided.	Red top tube	Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	1 Week		
Thyroid Pre Breeding Screen Canine	REF OUT	Serum - 2 mL Thyroglobulin Autoantibodies, TSH, Free T4 by Equilibrium Dialysis	Red top tube	Refrigerate up to 5 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
Thyroid Profile - Canine Thyroid Registry		See Canine Thyroid Registry					
Thyroid Profile - Diagnostic Canine	REF OUT	Serum - 2 mL 12 hr. fasting sample. Avoid hemolysis and lipemia. T4, T3, FT4, FT3, TSH, TgAA, T3AA and T4AA	Red top tube	Refrigerate or freeze. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Thyroid Profile - Premium Canine	REF OUT	Serum - 2 mL 12 hr. fasting sample. Avoid hemolysis and lipemia. T4, T3, FT3, TSH, TgAA, T3AA, T4AA plus FT4 by Equilibrium Dialysis	Red top tube	Refrigerate or freeze. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Thyroid Profile 1 Canine	REF OUT	Serum - 2 mL T4, Thyroglobulin Autoantibodies, TSH, Free T4, T3	Red top tube	Refrigerate up to 5 days. Ship on ice packs.	1 Week		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Thyroid Profile 2 Canine	REF OUT	Serum - 2 mL T4, Thyroglobulin Autoantibodies, TSH, Free T4 by equilibrium dialysis, T3	Red top tube	Refrigerate up to 5 days. Ship on ice packs.	2 Weeks		
Thyroid Profile Equine	REF OUT	Serum - 1 mL Free T4 by equilibrium dialysis, T3, T4	Red top tube	Refrigerate up to 5 days. Ship on ice packs.	2 Weeks		
Thyroid Profile Feline	REF OUT	Serum - 1 mL Free T4, T3, T4	Red top tube	Refrigerate up to 7 days. Freeze maximum 1 month. Ship on ice packs.	1 Week		
Thyroid Stimulating Hormone (cTSH) Canine only	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Thyrotropin (TSH) Canine only	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Thyroxine (T4)	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types. Note: EDTA Plasma samples are not acceptable.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Tick Panel PCR	REF OUT	EDTA plasma - 2 mL Includes Babesia, Bartonella, Anaplasma, Ehrlichia, Rickettsia and Hemotropic Mycoplasma. A positive genus test will result in specification at no additional charge.	Purple top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	4 Weeks		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Tick Panel Serology	REF OUT	Serum - 2 mL E. canis, B. canis, R. rickettsia, B. henselae & B. vinsonii (by IFA), B. gibsoni, B. koehlerae plus Snap 4DX for Lyme/Ehrlichia/Anaplasma/Heartworm	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Tick-Transmitted Disease Panel IDEXX SNAP® 4Dx Plus ELISA	ELISA	Serum, plasma or anticoagulated whole blood (e.g. EDTA, heparin) - 0.2 mL Borrelia burgdorferi, Ehrlichia canis and Ehrlichia ewingii, Anaplasma phagocytophilum and Dirofilaria immitis	Red, green or purple top tube	Refrigerate. Ship on ice packs. Serum or plasma can be frozen.	1 Day		
Tin		See Mineral Panel #4					
TLI (Trypsin-Like Immunoreactivity) Canine	REF OUT	Serum - 1 mL 12 hr. fasting sample.	Red top tube Do not use SST tube.	Refrigerate up to 7 days. Freeze up to 6 months. Ship on ice packs.	1 Week		
TLI (Trypsin-Like Immunoreactivity) Feline	REF OUT	Serum - 1 mL 12 hr. fasting sample.	Red top tube Do not use SST tube.	Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	2 Weeks		
TLI/B12/Folate Canine	REF OUT	Serum - 2 mL 12 hour fasting sample mandatory. No hemolysis.	Red top tube Do not use SST tube.	Refrigerate for 24 hrs. Freeze for longer storage. Ship on ice packs.	1 Week		
TLI/B12/Folate Feline	REF OUT	Serum - 2 mL 12 hour fasting sample mandatory. No hemolysis.	Red top tube Do not use SST tube.	Refrigerate for 24 hrs. Freeze for longer storage. Ship on ice packs.	2 Weeks		
TLI/PLI/B12/Folate Canine	REF OUT	Serum - 2 mL 12 hr. fasting sample (6 hr. for diabetic animals). Avoid hemolysis and lipemia.	Red top tube	Refrigerate up to 48 hrs. Freeze for longer storage. Ship on ice packs. Include a completed "Agent for Shipment" form.	Weekly		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
TLI/PLI/B12/Folate Feline	REF OUT	Serum - 2 mL 12 hr. fasting sample (6 hr. for diabetic animals). Avoid hemolysis and lipemia.	Red top tube	Refrigerate up to 48 hrs. Freeze for longer storage. Ship on ice packs. Include a completed "Agent for Shipment" form.	Weekly		
Total Protein	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Total Protein/Albumin/Globulin Panel		Serum or heparinized plasma - 0.5 ml Includes Total Protein, Albumin, Globulin and A:G Ratio	Red or green top tube	Refrigerate. Ship on ice packs.	1 day		
Toxoplasma Serology IgG and IgM IFA Canine, Feline	REF OUT	Serum - 1 mL	Red top tube	Refrigerate up to 5 days. Ship on ice packs.	1 Week		
Toxoplasma Serology IgG only IFA Canine, Feline	REF OUT	Serum - 1 mL	Red top tube	Refrigerate up to 5 days. Ship on ice packs.	1 Week		
Toxoplasma Serology IgM only IFA Canine, Feline	REF OUT	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	5 - 7 Days		
Toxoplasma Serology MAT IgG and IgM Canine, Feline	REF OUT	Serum, CSF or aqueous humor - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 weeks		
Toxoplasma Serology MAT IgG Other species	REF OUT	Serum - 0.5 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	3 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Transmissible Gastroenteritis Virus (TGEV)	PCR	Jejunum, ileum or colon, feces	Swab or leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Transmissible Gastroenteritis (TGE) FAT on Tissue	FAT	Jejunum, ileum or colon Includes rotavirus exam. One slide is usually up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Transmissible Gastroenteritis (TGE) TGE/PRCV Differentiation	ELISA	Serum - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 - 2 Days		
Transmissible Spongiform Encephalopathy (TSE) Brain submitted for obex removal. Includes Scrapie and CWD.	NECR	Whole brain or obex Sample removal and processing. Requires special precautions and processing. TSE Immunology fee extra.	Leak proof container	Chill or freeze as soon as possible after death. Ship to lab in Leak-proof container with individual identification attached to specimen.			
Transmissible Spongiform Encephalopathy (TSE) Head or whole animal submitted. Includes Scrapie and CWD.	NECR	Head or whole animal submitted Sample removal and processing. TSE Immunology fee extra. Full necropsy performed or whole body disposal at additional charge.	Leak proof container	Chill or freeze as soon as possible after death. Ship to lab in Leak-proof container with individual identification attached to specimen.			
Transmissible Spongiform Encephalopathy BioRad ELISA	ELISA	Fresh or frozen obex, lymph node or brain. Contact lab for appropriate sample by species.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Weeks		
Triglycerides	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Triiodothyronine (T3)	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types. Note: EDTA Plasma samples are not acceptable.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Tritrichomonas foetus	PCR	Preputial wash/scrapings In-Pouch™ medium. Incubate at 35°C for 48 hrs. or leave at room temperature. Please record how samples have been treated. Contact the lab for volume discount.	In Pouch™ TF medium	Incubate In-Pouch medium at 35°C for 48 hours otherwise do not refrigerate and keep warm during shipment.	2 Days		
Tritrichomonas foetus Pooling 5:1	PCR	Submit individual sample In-Pouch™ medium. Pooling is done in the lab. See Tritrichomonas foetus .	In Pouch™ TF medium	Incubate In-Pouch medium at 35°C for 48 hours otherwise do not refrigerate and keep warm during shipment.	2 Days		
Tritrichomonas foetus/ Campylobacter fetus ssp. venerealis (Vibrio)	PCR	Preputial wash/scrapings (In Pouch™ medium) or cervical mucus	In Pouch™ TF for both or PBS for C. fetus ssp. venerealis only.	Incubate In-Pouch medium at 35°C for 48 hours otherwise do not refrigerate and keep warm during shipment.	2 Days		
Troponin Bovine	REF OUT	Serum - 0.5 mL	Red top tube	Refrigerate or freeze. Ship on ice packs.	1 Week		
Troponin Canine, Feline, Equine	REF OUT	Serum - 0.5 mL Note: Equine samples may be submitted, but no reference intervals are available.	Red top tube	Refrigerate or freeze. Ship on ice packs.	1 Week		
Trypsin-Like Immunoreactivity (TLI) Canine	REF OUT	Serum - 1 mL 12 hr. fasting sample.	Red top tube Do not use SST tube.	Refrigerate up to 7 days. Freeze up to 6 months. Ship on ice packs.	1 Week		
Trypsin-Like Immunoreactivity (TLI) Feline	REF OUT	Serum - 1 mL 12 hr. fasting sample.	Red top tube Do not use SST tube.	Refrigerate up to 7 days. Freeze for longer storage. Ship on ice packs.	1 Week		
TSE (Transmissible Spongiform Encephalopathy) BioRad ELISA	ELISA	Fresh or frozen obex, lymph node or brain. Contact lab for appropriate sample by species.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 2 Weeks		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
TSH, Endogenous (Thyroid Stimulating Hormone) Canine only	IMMUL	Serum - 0.2 mL	Red top tube Analyses have not been tested with all possible sample types.	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Uranium	ICP-MS	Tissue - fresh or frozen - 2-5 grams Blood, serum or plasma - 2-5 mL Contact lab for other types of samples. Microwave digestion and ICP-MS analysis.	Leak proof container or red, purple or green top tube	Refrigerate. Ship on ice packs.	2 - 5 Days		
Urea	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Ureaplasma diversum	PCR	Placenta or Fetus	Leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Ureaplasma spp.	PCR	Placenta or Fetus	Leak proof container	Refrigerate. Ship on ice packs.	2 Days		
Uric Acid	CHEM	Serum, heparinized plasma, urine or fluid - 0.2 mL See Chemistry Panel Avian for panel selection.	Red or green top tube	Refrigerate. Ship on ice packs.	1 Day		
Urinalysis	URINE	Urine - 3 mL If suspicious cells are noted an add-on urine cytology at an addition cost of \$33.00 is recommended. See also Combination Tests .	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urinalysis and Urine Cytology	CYTO URINE	Urine - 3 mL Includes Complete Urinalysis and Urine Cytology.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urinalysis/Urine Protein Creatinine Ratio	COMBO	Urine - 3 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Urine Cortisol/Creatinine Ratio	IMMUL & CHEM	Urine - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	Same Day 2 PM cut off		
Urine Cytology and Urinalysis	CYTO URINE	Urine - 3 mL Includes Complete Urinalysis and Urine Cytology.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Dipstick (Chemstrip) only	URINE	Urine - 3 mL Dipstick results only, see Urinalysis for sediment and specific gravity.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Electrolytes	CHEM	Urine - 1 mL Small Animals: pH, Na, K, Cl, urea, creat, measured osm Large Animals: Na, K, Cl, Ca, Pi, Mg, urea, creat, measured osm	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine GGT/Creatinine Ratio Canine, Equine	CHEM	Urine - 1 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Myoglobin	FILT	Urine - 3 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Protein Creatinine Ratio/ Urinalysis Combo	COMBO	Urine - 3 mL	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Protein/Creatinine Ratio	CHEM	Urine - 1 mL See also Combination Tests - Chronic Kidney Disease Combo or Urine Protein/Creatinine Ratio/Urinalysis Combo	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Sediment and Cytology	CYTO	Urine - 3 mL Includes Complete Urinalysis and Urine Cytology.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Urine Sediment only	URINE	Urine - 3 mL Sediment results only, see Urinalysis for dipstick and specific gravity. See Urine Cytology if Pathologist review of urine sediment is required.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Urine Specific Gravity only	URINE	Urine - 3 mL Specific Gravity results only, see Urinalysis for dipstick and specific gravity.	Red top tube	Refrigerate. Ship on ice packs.	1 Day		
Vaccine Panel Distemper, Parvovirus IFA Canine	REF OUT	Serum - 1 mL If Rabies titer also requested see Vaccine Titers Panel	Red top tube	Refrigerate. Ship on ice packs.	3 - 5 Days		
Vaccine Titer Panel - Core Canine	REF OUT	Serum - 1 mL Includes canine distemper, canine adenovirus (CAV-2) and canine parvovirus.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Vaccine Titer Panel - Core Feline	REF OUT	Serum - 1 mL Includes feline herpesvirus, feline calicivirus and feline panleukopenia.	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 Weeks		
Vaccine Titers Panel Rabies/Parvovirus/Distemper Adenovirus Vaccine Titers Canine	REF OUT	Serum - 2 mL	Red top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 - 4 Weeks		
Vanadium		See Mineral Panel #4					
Vibrio	PCR	See Campylobacter fetus ssp. veneraalis					
Virology - Add On Exams for PDS Necropsy Case	FAT or ISO	Tissues from PDS Necropsy cases. FAT frozen section or Virus isolation. FAT includes 2 Antigens and can accommodate up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	1 - 3 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Virology - Antibody Test Bovine Respiratory Panel	ELISA	Serum - 1 mL 15 or more animals. Includes IBR, BRSV, PI-3 and BCV.	Red top tube	Refrigerate. Ship on ice packs.	5 - 10 Days		
Virology - Electron Microscope Exam	EM	See individual virus or call lab for information.			Dependent on Equipment Availability		
Virology - Fluorescent Antibody Test FAT on Tissue	FAT	Fresh or frozen tissue See individual virus or call lab for information. FAT includes 2 Antigens and can accommodate up to 4 pieces of tissue.	Leak proof container	Refrigerate. Ship on ice packs.	2 - 5 Days		
Virology - Fluorescent Antibody Test on Calf Feces	FAT	Feces For calf diarrhea, Rotavirus (type A) and Coronavirus	Leak proof container	Refrigerate. Ship on ice packs.	2 - 4 Days		
Virology - Serology Companion Animal	VN ELISA IMPA	Serum. See individual virus or call lab for information.	Red top tube	Refrigerate. Ship on ice packs.	Variable		
Vitamin A and E	HPLC	Heparinized plasma or serum - 1 mL for each vitamin. Whole blood - 5 mL for each vitamin. Liver (fresh or frozen) - 5 grams. Extraction and HPLC analysis.	Green or red top tube	Protect samples from light. Refrigerate. Ship on ice packs.	2 - 5 Days		
Vitamin A or E	HPLC	Heparinized plasma or serum - 1 mL for each vitamin. Whole blood - 5 mL for each vitamin. Extraction and HPLC analysis.	Green or red top tube	Protect samples from light. Refrigerate. Ship on ice packs.	2 - 5 Days		
Vitamin A or E Liver	HPLC	Liver (fresh or frozen) - 5 grams for each vitamin. Extraction and HPLC analysis.	Leak proof container	Protect samples from light. Refrigerate. Ship on ice packs.	2 - 5 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
Vitamin B12		See Cobalamin					
Vitamin D	HPLC	Serum, plasma - 1 mL; heparinized whole blood - 2 ml	Green or red top tube	Protect samples from light. Refrigerate. Ship on ice packs.	2 - 5 Days		
Vitamin D Profile	REF OUT	Serum - 1.5 mL Heparinized plasma (not EDTA) is also acceptable. Avoid hemolysis and lipemia. Avoid exposure to light. Includes PTH, Ionized Calcium and 25-Hydroxyvitamin D	Red or green top tube	Allow to clot 30 - 60 minutes prior to separation. Transfer serum to leak proof tube. Freeze ASAP. Ship frozen on ice packs. Must arrive below 60°F. Include a completed "Agent for Shipment" form.	2 - 8 Days		
Vitamin D; 25-OHD (25-Hydroxyvitamin D)	REF OUT	Serum - 1 mL (minimum - 0.5 mL) Heparinized plasma (not EDTA) is also acceptable. 12 fasting sample. Avoid hemolysis and lipemia. Avoid exposure to light.	Red or green top tube	Refrigerate. Ship on ice packs. Include a completed "Agent for Shipment" form.	2 - 8 Days		
Von Willebrand Factor DNA Test Some Canine Breeds	REF OUT	Special collection kit - order from Vet-Gen. See http://www.vetgen.com/canine-vwd1.html		Include a completed "Agent for Shipment" form.	1 Month		
Von Willebrand Factor ELISA	REF OUT	Citrated plasma - 1 mL Fasting sample recommended. Citrated collection tubes available, contact lab.	Blue top tube (citrate). Sample/anticoagulant ratio is critical - check tube label.	Centrifuge, transfer plasma into a plastic tube or plastic syringe. Ship frozen. Sample must arrive frozen.	1 Week		
West Nile Virus	PCR	Horses - Brain or spinal cord Avian - Swabs, tissues In horses with clinical disease, the IgM capture ELISA is recommended rather than PCR on tissues if serum is available.	Leak proof container or swab or red top tube		2 Days		



Test Name	Method	Sample / Comments	Container	Handling / Shipping	Schedule Test / TAT	Food Animal / Supported Price (SK only)	Companion / Other List Price
West Nile Virus Equine IgM 1st Sample	ELISA	Serum - 0.2 mL See Introduction page 16 for pricing on multiple samples.	Red top tube	Refrigerate. Ship on ice packs.	2 - 5 Days		
Zinc		See Mineral Panel #1					