

TEST DIRECTORY

Note: Tests not listed, call for specimen requirements & information.

Test Name	Code	Specimen Required	Reference Values	Units
Adrenal Function (Cortisol)	8846	Refer to Canine Adrenal Function Testing in Special Procedures Section Pages 2-3.		
Aerobic Culture (routine)	8836	Sterile Transwab tube. State anatomical location under source.		
Albumin	8802	SST 0.40 ML Serum (included in Chem, Kidney and Liver Surveys)	Canine: 2.9 – 4.1 Feline: 3.0 – 4.4 Equine: 2.8 – 3.8 Bovine: 3.4 – 4.3	g/dl
Alkaline Phosphatase	8803	SST 0.40 ML Serum (included in Chem, Liver and Pre Surgical Surveys)	Canine: 17 – 130 Feline: 15 – 55 Equine: 70 – 430 Bovine: 30 – 110	U/L
ALT	8829	SST 0.40 ML Serum (included in Chem, Liver and Pre Surgical Surveys)	Canine: 17 – 60 Feline: 27 – 86	U/L
Ammonia, Blood	8861	GTT 0.5 ML Heparinized Plasma. Spin immediately. Transfer plasma to another tube and freeze plasma. Ship on ice to lab. Draw control.		mcg/dl
Amylase	8804	SST 0.40 ML Serum	Canine: 300 – 2100 Feline: 878 – 1510	U/L
ANA (Canine/Feline)	8849	SST 0.50 ML Serum	< 40 = Negative	
Anaerobic Culture	8874	Anaerobic Culture Transport. State anatomical location under source		
AST	8834	SST 0.40 ML Serum (included in Chem and Liver Surveys)	Canine: 15 – 44 Feline: 10 – 40 Equine: 160 – 450 Bovine: 40 – 98	U/L
Bile Acid, Total	8862	SST 1.0 ML Serum. Submit fasting or 2 hour PP Specimen. Please state on specimen. See Special Procedures Page 1.	Pre: 0 - 5 2 Hr Post: 1 - 20	mmol/L

SST – Serum Separator Tube

LTT – Lavender Top Tube

BTT – Blue Top Tube

GTT-Green Top Tube

Test Name	Code	Specimen Required	Reference Values	Units
Bile Acid Panel, 2hr & Fasting	8857	SST 1.0 ML Serum. Submit Pre & 2 Hr Post Specimen. Label specimens accordingly.	Pre: 0 - 5 2 Hr Post: 1 - 20	mmol/L
Bilirubin, Direct	8806	SST 0.2 ML Serum (included in Liver Survey)		mg/dl
Bilirubin, Total	8805	SST 0.2 ML Serum (included in Chem, Liver and Pre Surgical Surveys)	Canine: 0.1 – 0.8 Feline: 0.0 – 0.6 Equine: 0.4 – 2.8 Bovine: 0.0 – 0.2	Mg/dl
Blood Culture		See Special Procedure Section, Pages 9-10.		
Borrelia Burgdoferi Western Blot		SST 1.0 ML Serum	Negative	
Bromide	8908	SST 1.0 ML Serum	1.0 – 3.0	mg/ml
Brucella Canis (Qualitative)	8848	SST 1.0 ML Serum	Negative If Positive, confirmation will be performed and charged	
BUN	8807	SST 0.2 ML Serum (included in Chem, Kidney and Pre Surgical Surveys)	Canine: 10 – 26 Feline: 15 – 38 Equine: 12 – 24 Bovine: 8 – 20	mg/dl
Calcium	8809	SST 0.2 ML Serum (included in Chem and Kidney Surveys)	Canine: 9.0 – 12.0 Feline: 8.6 – 11.4 Equine: 11.0 – 13.2 Bovine: 8.5 – 12.0	mg/dl
CBC	8100	LTT 1.0 ML EDTA whole blood & 2 blood film slides requested. Includes differential.	Refer to result report for reference range values.	
Chem Bovine (Chem Survey & Magnesium)	8096	SST 0.5 ML Serum	Refer to result report for reference range values.	
Chem Survey (ALT, AST, Albumin, Alkaline Phosphatase, Bilirubin Total, BUN, Calcium, Chloride, Cholesterol, Creatinine, Glucose, Phosphorus, Potassium, Protein, Sodium)	8496	SST 0.5 ML Serum	Refer to result report for reference range values.	
Chloride	8810	SST 0.2 ML Serum (included in Chem and Kidney Surveys)	Canine: 104 – 119 Feline: 117 – 124 Equine: 90 – 112 Bovine: 95 – 108	mEq/L
Cholesterol	8811	SST 0.2 ML Serum (included in Chem Survey)	Canine: 138 – 288 Feline: 70 – 220 Equine: 66 – 115 Bovine: 104 – 268	mg/dl

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Coagulation Profile (Prothrombin Time, Platelet Count, Partial Prothrombin Time)	8854	1 BTT Citrate whole blood 1 LLT EDTA whole blood.	Refer to result report for reference range values.	
Coombs, Direct (canine or feline)	8817	LTT	Negative	
Cortisol (Adrenal Function) See Adrenal Function	8846			
Cortisol/Creatinine Urine	8913	5 ML Urine in Clean Container	< 20	
Cortisol, Pre- and 2hr Post ACTH	8851	SST 0.4 ML Serum per sample.		
Cortisol, Resting	8812	SST 0.4 ML Serum		
CPK, Total	8815	SST 0.2 ML Serum	Canine: 10 – 300 Feline: 25 – 460 Equine: 110 – 460	U/L
Creatinine	8813	SST 0.2 ML Serum (included in Chem, Kidney and Pre Surgical Surveys)	Canine: 0.5 – 1.5 Feline: 1.0 – 2.0 Equine: 1.0 – 2.2 Bovine: 0.5 – 1.5	mg/dl
Creatinine, Urine	8814	1 ML Urine	Canine: 100 – 500 Feline: 100 - 500	mg/dl
Culture, Aerobic (routine)	8836	Sterile Transwab tube. State anatomical location under source. See Special Procedures Section Page 7.		
Culture, Anaerobic	8874	Anaerobic Culture Transport. State anatomical location under source. See Special Procedures Section Pages 7-8.		
Culture, Blood		See Special Procedure Section, Pages 9-10.		
Culture, Environmental	8915	Sterile Container or Swab		
Culture, Fecal (Stool)		See Special Procedure Section, Page 10.		
Culture, Fungus	8873	Skin scrapings or hair submitted in sterile tube or swab of lesion.	No Growth	
Culture, Salmonella	8897	Fresh Stool in Clean Container	Negative	

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Test Name	Code	Specimen Required	Reference Values	Units
Culture, Urine		See Special Procedure Section, Page 11.		
Cytology Specimens	8875	3 Air Dried Smears of aspirates or blood. Do not fix! Indicate source or fluid. See Special Procedures Section Page 12.		
Cytology, Urine for Bladder Tumor		Cytology Preservative. See Special Procedures Section Page 13.		
Distemper Vaccine, Canine Titer	8858	SST 1.0 ML Serum	1:5 or >	titer
Environmental Culture	8915	Sterile Container or Swab		
Eosinophil Count, Total	8852	LTT 1.0 ML EDTA whole blood	Canine: 40 – 400 Feline: 40 - 400	Cells/uL
FELV Antigen (Elisa)	8584	SST 1.0 ML Serum See Special Procedures Section Page 13.	Negative	
Fecal (Stool), Culture		See Special Procedure Section, Page 10.		
Feline Coronavirus, PCR		Fluid: Thoracic and/or abdominal fluid, collect aseptically; place in leak proof container. Tissue: Liver, kidney, intestine, or brain; place in leak proof container. Refrigerate		
Feline Immunodeficiency Virus Antibody ELISA	8098	SST 1.0 ML Serum See Special Procedures Section Page 13.	Negative	
Feline Leukemia Virus PCR	8584	LTT 1-5 ML whole blood. Bone Marrow: Leak proof container.		
Fibrinogen (Quantitative)	8866	BTT Citrated whole blood. Avoid hemolysis.	Canine: 126 – 436 Feline: 60 – 800 Equine: 60 – 800 Bovine: 60 - 800	mg/dl
Fibrinogen (Schalm)	8889	LTT 2.0 ML EDTA whole blood	Canine: 200 – 400 Feline: 200 – 400 Equine: 200 – 400 Bovine: 450 – 750	mg/dl
FIP Antibody	8863	SST 1.0 ML Serum (or 1.0 ML Fluid)	Negative	
Fructosamine	9500	SST 2.0 ML Serum	142-450	Micromoles/L

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Fungal Antibody Screen	8842	SST 2.0 ML Serum (includes Histoplasma, Blastomyces, Coccidioides & Aspergillus)	Negative	
Fungus Culture	8873	Skin scrapings or hair submitted in Sterile tube or swab of lesion.	No Growth	
GGT	8816	SST 0.4 ML Serum	Canine: 3.0 – 10.0 Feline: 0 – 4.0 Equine: 3.0 – 33.0 Bovine: 12.0 – 38.0	U/L
Giardia Antigen	8253	Fresh Stool in Clean Container.	Negative	
Glucose	8819	SST 0.4 ML Serum (included in Chem and Pre Surgical Surveys)	Canine: 64 – 128 Feline: 69 – 122 Equine: 60 – 115 Bovine: 44 – 77	mg/dl
Heartworm Occult (Antigen) (Feline / Canine)	8843	SST 1.0 ML Serum or LTT 1.0 ML Plasma	Negative	
Hemobartonella, RBC (blood slide examination)	8877	LTT 1.0 ML EDTA whole blood and 2 blood smear slides with feathered edge.	None Seen	
Kidney, Survey (Albumin, BUN, Calcium, Chloride, Creatinine, Phosphorus, Potassium, Protein & Sodium)	8859	SST 2.0 ML Serum	Refer to result report for reference range values.	
LDH	8821	SST 0.2 ML Serum	Canine: 33 – 325 Feline: 50 – 250 Equine: 185 – 624	U/L
Lead	8822	LTT 0.5 ML EDTA whole blood	< 25	mcg/L
Leptospirosis Antibodies	8838	SST 1.0 ML Serum	Negative	
Lipase	8823	SST 0.2 ML Serum	Canine: 55 – 581 Feline: 34 – 226 Equine: 10 – 50	U/L
Liver Survey (ALT, AST, Albumin, Alkaline Phosphatase, Bilirubin Total & Direct, & Protein)	8818	SST 0.4 ML Serum	Refer to result report for reference range values.	
Lyme Antibodies	8972	SST 1.0 ML Serum	Negative	
Lyme PCR		LTT 1.0 ML whole blood	Negative	
Lyme IFA		SST 1.0 ML serum	Negative	

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Magnesium	8824	SST 0.2 ML Serum (included in Chem Survey, bovine)	Bovine: 1.4 – 3.6	mg/dl
Osmolality	8871	SST 0.2 ML Serum	275 – 295	mOsm/kg
Parvovirus Antigen	8844	Feces & Tissue, fresh: Leakproof container; Swab: Culturette swab	Negative	
PBC (CBC without Differential)	8870	LTT 1.0 ML EDTA whole blood	Refer to result report for reference range values.	
Phenobarbital	8841	SST 0.2 ML Serum	Canine: 2-3 Hr. Post: 15 - 45 8 Hr. Post: 15 - 30	mcg/ml
Phosphorus	8820	SST 0.2 ML Serum (included in Chem and Kidney Surveys)	Canine: 3.3 – 5.5 Feline: 4.0 – 6.0 Equine: 2.0 – 5.0 Bovine: 4.0 – 8.5	mg/dl
Platelet Count	8826	LLT 1.0 ML EDTA whole blood & 2 Blood Film Slides (included in Coagulation Profile)	Canine: 200 – 500 Feline: 300 – 700 Equine: 100 – 350 Bovine: 100 – 800	THOU/mm ³
Potassium	8827	SST 0.2 ML Serum (included in Chem and Kidney Surveys)	Canine: 3.5 – 5.5 Feline: 3.8 – 5.4 Equine: 2.3 – 5.3 Bovine: 3.5 – 5.6	mEq/L
Pre Surgical Survey (ALT, Alkaline Phosphatase, BUN, Bilirubin, Creatinine, Glucose & Protein)	8884	SST 0.4 ML Serum	Refer to result report for reference range values.	
Protein/Creatinine Ratio, Urine	8847	Urine, 2.0 ML submitted in conical urine transport tube or clean container. See Special Procedures Section, Page 13.	< 0.8	
Protein	8828	SST 0.2 ML Serum (included in Chem, Kidney, Liver and Pre Surgical Surveys)	Canine: 5.0 – 7.1 Feline: 6.2 – 7.7 Equine: 5.5 – 8.0 Bovine: 6.5 – 8.2	g/dl

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Prothrombin Time	8864	BTT 2.7 or 1.8 ml citrated whole blood tubes. NOTE: Allow to fill by vacuum, do not push additional blood into tube. Vacuum pulls the correct volume of blood to the anti-coagulant. [9 parts of blood : 1 part anti-coagulant] <u>Tube will be rejected if not properly filled!</u> Refrigerate and ship cool. DO NOT SPIN!	Canine: 7.0– 10.0	Seconds
PTT (Partial Thromboplastin Time)	8865	BTT 2.0 Citrated whole blood, avoid hemolysis (included in Coagulation Profile).	Canine: 13.0 – 18.0	Seconds
Reticulocyte Count	8855	LTT 1.0 EDTA whole blood	Canine: 0.5 – 1.5 Absolute Count: 30,000 – 90,000 / ul Feline: 0.2 – 1.6 Absolute Count: 14,000 – 112,000 / ul	%
Rheumatoid Factor, Canine	8881	SST 0.2 ML Serum	Negative	
Salmonella, Culture	8897	Fresh Stool in Clean Container	Negative	
Schalm Fibrinogen	8889	LTT 2.0 ML EDTA whole blood	Canine: 200 – 400 Feline: 200 – 400 Equine: 200 – 400 Bovine: 450 – 750	mg/dl
Selenium	8825	SST 1.5 ML Serum	Equine: 120 - 180	mcq/L
Sensitivity (Kirby Bauer)	8837	Order at time of culture. Include anatomical location (source).	Refer to result report for reference range values.	
Sodium	8830	SST 0.2 ML Serum (included in Chem and Kidney Surveys)	Canine: 143 – 153 Feline: 146 – 156 Equine: 133 – 142 Bovine: 138 – 150	mEq/L
Stone Analysis	8856	Submit stone dry in clean container. See Special Procedures Section, Page 15.		

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Test Name	Code	Specimen Required	Reference Values	Units
T-3	8831	SST 0.2 ML Serum (included in Thyroid Panel)	Canine: 25 – 90 Feline: 14 – 88 Equine: 25 – 90	ng/dl
T-4	8832	SST 0.2 ML Serum (included in Thyroid Panel)	Canine: 1.0 – 4.0 Feline: 0.8 – 4.0 Equine: 0.7 – 3.4	mcg/dl
Thyroid Panel (T-3 & T-4)	8835	SST 0.2 ML Serum	Refer to result report for reference range values.	
Thyroid Profile, Canine (TT4, TT3, FT4, FT3, TSH, TgAA, T3AA, T4AA)		SST 1.0 ML Serum	Refer to result report.	
Thyroid Profile, Other Species (STD) (TT4, TT3, FT4, FT3)		SST 1.0 ML Serum	Refer to result report.	
Tissue, Multiple Specimen	8860	Biopsied tissue in 10% buffered formalin bottle. Must give anatomical source and brief history. See Special Procedures Section, Page 14.	Refer to result report.	
Tissue, Single Specimen	8893	Biopsied tissue in 10% buffered formalin bottle. Must give anatomical source and brief history. See Special Procedures Section Page 14.	Refer to result report.	
Toxoplasma gondii IgM IFA	8882	SST 2.0 ML Serum	Negative at < 1:64	
Uric Acid	8892	SST 1.0 ML Serum		
Urinalysis, Routine w/Micro	8808	Urine, 2.0 ML submitted in conical urine transport tube.	Refer to result report for reference range values.	
Urine Cortisol/Creatinine		5 ML Urine in Clean Container	< 20	
Urine Creatinine	8814	25 ML Urine	Canine: 100 – 500 Feline: 100 - 500	mg/dl
Urine, Culture		See Special Procedure Section, Page 11.		
Urine Protein/Creatinine Ratio		See Special Procedure Section, Page 13.		
Vet 1 (Chem Survey, CBC with Differential)	8890	SST 0.4 ML Serum & LTT 1.0 ML EDTA whole blood & 2 blood film slides requested. Includes differential.	Refer to result report for reference range values.	

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Test Name	Code	Specimen Required	Reference Values	Units
Vet 2 (Chem Survey, CBC with Differential, Amylase & Lipase)	8850	SST 0.5 ML Serum & LTT 1.0 ML EDTA whole blood & 2 blood film slides requested. Includes differential.	Refer to result report for reference range values.	
Vet 3 (Amylase & Lipase)	8839	SST 0.2 ML Serum	Refer to result report for reference range values.	
WBC		LTT 1.0 ML EDTA whole blood.	Canine: 6 – 17 Feline: 5 – 19 Equine: 5.5 – 12 Bovine: 4 – 12	10 ³

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