

MVRDL PRDL

User Guide - Testing Information

Section	Code	Title	Test Method	Species	Turn around time	Sample type
Molecular	9333	16s rDNA Sequence Analysis	PCR		3-5 days	Pure bacteriological culture
Microbiology	1275	Acid Fast Stain	Bacteriology		1 day	any
Microbiology	1207	Aerobic Culture & Sensitivity	Bacteriology		72 hours	any
Clin. Path.	28	Albumin	Chemistry		same day	Serum
Clin. Path.	26	Alkaline Phosphate	Chemistry		same day	serum
Clin. Path.	21	ALT (SGPT)	Chemistry		same day	serum
Clin. Path.	29	Amylase	Chemistry		same day	Serum
Microbiology	1239	Anaerobic Culture	Bacteriology		72 hours	Tissue or swab with gel
Serology	7218	Anaplasma ELISA	ELISA	Bovine, ovine	2-3 days	Serum
Clin. Path.	22	AST (SGOT)	Chemistry		same day	Serum
Molecular	9321	Avian Influenza H5PCR	Real time PCR	Avian	1-3 days	Tracheal and cloacal swabs
Molecular	9322	Avian Influenza H7PCR	Real time PCR	Avian	1-3 days	Tracheal and cloacal swabs
Molecular	3205	Avian Influenza PCR	Real time PCR	Avian	1-3 days	Tracheal and cloacal swabs
Molecular	9324	Avian Influenza PCR on Allantoic Fluid	Real time PCR	Avian	1-3 days	Allantoic fluid
Molecular	9330	Avian Influenza PCR on Wildlife	Real time PCR	Avian	1-3 days	Swab
Clin. Path.	74	Baerman (fecal)	Parasitology		24 hours	Feces
Clin. Path.	30	Bilirubin, Total	Chemistry		same day	serum
Pathology	6200	Biopsy	Histology		2 days, unfixed, decal will add to	Tissue in 10% formalin, 10:1 formalin:tissue
Serology	7000	Blastomyces AGID	AGID	Canine, feline	24-48 hours	Serum
Microbiology	1242	Blood Aerobic Culture	Bacteriology		Up to 5 days	Blood culture bottle
Microbiology	1243	Blood Anaerobic Culture	Bacteriology		Up to 5 days	Blood culture bottle
Clin. Path.	3	Blood Parasite Exam	Hematology		same day	EDTA
Serology	7200	Blue Tongue ELISA	ELISA	Bovine	2-3 days	Serum
Virology	9027	Blue Tongue FA	FA	Bovine, ovine	3-4 days	Tissue (spleen, liver, kidney)
Molecular	9311	Blue Tongue PCR	PCR	Domestic and wild ruminants	1-3 days	Whole blood with EDTA, Tissue (spleen, liver, kidney)
Virology	9025	Bovine Adenovirus Type 1FA	FA	Bovine	3-4 days	Tissue (lung, intestine)
Virology	9026	Bovine Adenovirus Type 5FA	FA	Bovine	3-4 days	Tissue (lung, intestine)

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	132	Bovine General Panel (CBC, TP, ALP, GGT, Calcium, Mg, Creatinine, Anaplasma, IBR/BVD, Blue Tongue, Bovine Leukemia)	Chemistry	Bovine	1-2 weeks	EDTA blood and serum
Molecular	9300	Bovine Herpesvirus PCR	PCR	Bovine	1-3 days	Nasal swab, Tissue (lung, trachea), cell cultures and whole blood with EDTA
Serology	7201	Bovine Leukemia ELISA	ELISA	Bovine	2-3 days	Serum
	9336	Bovine Respiratory Disease Panel (BRSV, BVDV, IBR, PI3 PCR's, Aerobic culture, Mycoplasma culture)		Bovine		Lung, Trachea or Tracheal swabs
Molecular	9313	Bovine Respiratory Syncytial Virus PCR	PCR	LA Exotic, Ovine, Bovine	1-3 days	Tissue (lung)
Serology	7216	Bovine Viral Diarrhea Antigen Capture ELISA	ELISA	Bovine	1-2 weeks	Serum or ear notches
Virology	9005	Bovine Viral Diarrhea FA	FA	Bovine, ovine, caprine	3-4 days	Lung, lymphoid tissue
Molecular	9301	Bovine Viral Diarrhea Pool-Screen PCR	Real time PCR	Bovine	1-3 days	Ear notch
Serology	7302	Bovine Viral Diarrhea SN	SN	Bovine	1-2 weeks	Whole blood, serum
Serology	7100	Brucella canis RSAT	Agglutination	Canine	same day	Serum
Serology	7102	Brucella canis IFA Screen	IFA	canine	same day	serum
	7103	Brucella canis IFA Titer	IFA	Canine	same day	serum
Clin. Path.	1	Buffy Coat Smear	Hematology		same day	EDTA
Clin. Path.	24	BUN	Chemistry		same day	serum
Molecular	9323	Cal/Mex PCR	Real time PCR	Avian	1-3 days	Tracheal and cloacal swabs
Molecular	9328	Cal/Mex PCR on Allantoic Fluid	Real time PCR	Avian	1-3 days	Allantoic fluid
Clin. Path.	32	Calcium	Chemistry		same day	serum
Microbiology	1257	Campylobacter Culture	Bacteriology		Up to 5 days	Charcoal aimes swab or feces, Tissue (intestine) collected and sent to lab within 18 hours
Virology	9020	Canine Adenovirus FA	FA	Canine	3-4 days	Tissue (liver, kidney, lung)
Clin. Path.	4	Canine Direct Coombs	Serology	Canine	same day	EDTA
Virology	9019	Canine Coronavirus FA	FA	Canine	3-4 days	Tissue (small intestine)
Serology	7416	Canine Coronavirus IFA	IFA	Canine	same day	Serum
Virology	9009	Canine Distemper Blood Smear FA	FA	Canine	same day	Blood

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Virology	9006	Canine Distemper Conjugate Smear FA	FA	Canine	same day	slide
Virology	9007	Canine Distemper FA	FA	SA Exotic, Canine	3-4 days	Tissue (lung, brain, trachea)
Serology	7400	Canine Distemper IFA	IFA	Canine	same day	Whole blood, serum
Molecular	9312	Canine Distemper PCR	PCR	Canine	1-3 days	Nasal and conjunctive swabs, Cerebrospinal fluid, tissue (brain, lung) and whole blood with EDTA
Serology	7101	Canine Distemper/Parvovirus Vaccine Titers	ELISA	Canine	same day	Serum
	133	Canine General Panel (CBC, TP, BUN, ALT, ALP, Glucose, Creatinine, Occult Heartworm)		Canine	Same day	EDTA Blood, Serum
Virology	9008	Canine Herpesvirus FA	FA	Canine	3-4 days	Tissue (lung, liver, kidney, lymph node, spleen)
Serology	7418	Canine Herpesvirus IFA	IFA	Canine	same day	Whole blood, serum
Virology	9021	Canine Parainfluenza FA	FA	Canine	3-4 days	Tissue (lung, trachea)
Serology	7202	Canine Parvovirus ELISA	ELISA	Canine	same day	Feces
Virology	9018	Canine Parvovirus FA	FA	Canine	3-4 days	Tissue (small intestine)
Serology	7401	Canine Parvovirus IFA	IFA	Canine	same day	Whole blood, serum
Clin. Path.	2	CBC	Hematology		same day	EDTA
Clin. Path.	40	Chloride	Chemistry		same day	serum
Clin. Path.	33	Cholesterol	Chemistry		same day	serum
Clin. Path.	34	CK	Chemistry		same day	serum
Virology	1276	Clostridium chauvei FA	FA		same day	Muscle
Virology	1277	Clostridium novyi FA	FA		same day	Muscle, liver
Virology	1278	Clostridium septicum FA	FA		same day	Muscle
Virology	1279	Clostridium sordelleii FA	FA		same day	Muscle, liver
Clin Path, Virology, Serology	134	Coughing Dog Panel (CBC, Occult Heartworm, Blasto)		Canine	Up to 24 hours	EDTA Blood, Serum
Virology	9017	Cryptococcus/Giardia FA	FA		same day	Feces
Microbiology	1280	Darkfield Microscopy	Bacteriology			
Microbiology	1300	Dermatophyte culture	Mycology		Up to 14 days	Hair, scabs or swab
Clin. Path.	6	Differential Only	Hematology		same day	EDTA
Serology	7219	Eastern Equine Encephalitis IgM ELISA	ELISA	Equine	3-5 Days	Serum

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Molecular	9302	Eastern Equine Encephalitis PCR	Real time PCR	Equine, Canine	1-3 days	Swab, Cerebrospinal fluid, Tissue (brain, spleen, liver, mosquitoes)
Serology	7402	Ehrlichia canis IFA	IFA	Canine	MWF	Whole blood, serum
Serology	7403	Ehrlichia canis Titer	IFA	canine	MWF	Whole blood, serum
Molecular	9316	Epizootic Hemorrhagic Virus PCR	PCR	Deer	1-3 days	Whole blood with EDTA, Tissue (spleen, liver, kidney)
Molecular	9309	Equine Herpesvirus PCR	PCR	Equine	1-3 days	Nasal swab, Whole blood with EDTA, Tissue (lung and brain)
Serology	7003	Equine Infectious Anemia AGID	AGID	Equine	24-48 hours	Serum
Serology	7004	Equine Infectious Anemia AGID-Sale Barn	AGID	Equine	24-48 hours	serum
Serology	7203	Equine Infectious Anemia ELISA	ELISA	Equine	2 hours	Serum
Serology	7303	Equine Rhinopneumonitis SN	SN	Equine	1-2 weeks	Whole blood, serum
Microbiology	1254	Fecal Culture	Bacteriology		Up to 4 days	Feces or swab
Clin. Path.	75	Fecal Direct Smear	Parasitology		same day	Feces
Clin. Path.	78	Fecal Flotation	Parasitology		same day	Feces
Clin. Path.	82	Fecal Flotation (EPG)	Parasitology		same day	Feces
Serology	7404	Feline Calciviurs IFA	IFA	Feline	same day	Whole blood, serum
Serology	7204	Feline Coronavirus ELISA	ELISA	Feline	same day	Whole blood, serum or fluid
Serology	7420	Feline Coronavirus Screen IFA	IFA	Feline	same day	whole blood, serum or fluid
Serology	7405	Feline Coronavirus Titer	IFA	Feline	same day	Whole blood, serum or fluid
Virology	9022	Feline Infectious Peritonitis FA	FA	Feline	3-4 days	Tissue with lesions
Serology	7205	Feline Leukemia ELISA	ELISA	Feline	same day	Whole blood, serum
Virology	9200	Feline Leukemia Virus Smear IFA	IFA	Feline	same day	Blood
Virology	9010	Feline Panleukopenia FA	FA	Feline	3-4 days	Tissue (small intestine)
Serology	7413	Feline Panleukopenia IFA	IFA	Feline	same day	Whole blood, serum
Serology	7419	Feline Rhinopneumonitis Titer	IFA	Feline	same day	Whole blood, serum
Virology	9011	Feline Viral Rhinotracheitis FA	FA	Feline	3-4 days	Tissue (lung, trachea)
Serology	7406	Feline Viral Rhinotracheitis Screen IFA	IFA	Feline	same day	Whole blood, serum
Clin. Path.	73	Fibrinogen	Hematology		same day	EDTA
Serology	7206	FIV Antibody ELISA	ELISA	Feline	same day	Whole blood, serum
Clin. Path.	89	Foal IgG	Serology		same day	EDTA or serum

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Molecular	9315	Foot and Mouth Disease PCR	Real time PCR	Domestic and wild ruminants	1-3 days	Vesicular fluid, skin or mucosal samples from vesicles
Microbiology	1310	Fungal Culture	Mycology		Up to 25 days	Any
Clin. Path.	36	GGT	Chemistry		same day	serum
Clin. Path.	37	Glucose	Chemistry		same day	Serum
Microbiology	1270	Gram Stain	Bacteriology		1 day	Any
Pathology	6205	Gross exam/Processing	Pathology			Whole limbs, organs for Histopathology
Serology	7207	Heartworm ELISA	ELISA	Canine, feline	same day	Whole blood, serum
Clin. Path.	144	Hemoglobin	Hematology		same day	EDTA
Serology	7001	Histoplasma AGID	AGID	Canine, Feline	24-48 hours	serum
Microbiology	1350	India Ink Prep	Mycology			
Serology	7301	Infectious Bovine Rhinotracheitis SN	SN	Bovine	1-2 weeks	Whole blood, serum
Molecular	3218	Infectious Laryngotracheitis Real-time PCR	Real time PCR	Avian	1-3 days	Swab, trachea and eyelid
Molecular	9310	Johne's PCR	Real time PCR	Domestic and wild ruminants	1-3 days	Feces
Serology	7208	Johne's ELISA	ELISA	Bovine	2-4 days	Serum
Microbiology	1355	KOH Prep	Mycology			
Microbiology	1360	LCP Prep	Mycology			
	144	Large Animal Liver Panel (Glucose, BUN, AST, ALP, GGT, Total Protein, Albumin, Total Bilirubin)	Chemistry		same day	Serum
Molecular	9304	Leptospira PCR	PCR		1-3 days	Urine, tissue (liver and kidney), swab
Serology	7408	Lyme Disease Titer	IFA	Canine	MWF	Whole blood, serum
Serology	7407	Lyme Screen IFA	IFA	Canine	MWF	Whole blood, serum
Clin. Path.	17	Magnesium	Chemistry		same day	serum
Pathology	6207, 6291	Mail-in Necropsy (choose with or without Molecular tests)			Dependent on ancillary tests; 3 days minimum	Formalin fixed and fresh tissue, all major organs and lesions from field necropsy
Microbiology	1246	Milk Culture	Bacteriology		72 hours	Milk or swab
Microbiology	1256	Mycoplasma Culture	Bacteriology		10 days	Tissue (lung), Mastitic milk, joint or other body fluid, or swab of tracheal/sinus exudate

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Pathology	6206	Necropsy in a jar	Histology		3 days	Fixed tissue from all major organs from field necropsy
Pathology	6017, 6018, 6020, 6021 6016, 6040	Necropsy	Necropsy		1 week (gross and histo, other tests may delay)	Fresh, not frozen, whole carcass
Serology	7211	Neospora caninum ELISA	ELISA	Bovine	2-3 days	Serum
Serology	7409	Neospora caninum IFA	IFA	Bovine	same day	Serum
Serology	7410	Neospora caninum IFA	IFA	Canine	same day	Whole blood, serum
Serology	7417	Neospora Titer	IFA	Canine, Bovine	same day	Whole blood, serum
Molecular	9325	Newcastle Disease Virus PCR on allantoic fluid	Real time PCR	Avian	1-3 days	Allantoic fluid
Clin. Path.	122	Nitrate	Chemistry		same day	Serum
Clin. Path.	8	PCV (Hematocrit)	Hematology		same day	EDTA
Clin. Path.	117	Phenobarbitol	Chemistry		same day	serum
Clin. Path.	18	Phosphorus	Chemistry		same day	serum
Virology	9014	P13 FA	FA	Bovine, Ovine	3-4 days	Tissue (lung, trachea)
Molecular	9320	P13 PCR	PCR	Domestic and wild ruminants	1-3 days	Nasal swab, Tissue (lung, trachea), cell cultures and whole blood with EDTA
Clin. Path.	13	Platelet Count	Hematology		same day	EDTA
Molecular	9340	Porcine Diarrhea Virus Panel (PEDV and PDCoV PCR)	PCR	Porcine	1-3 days	Feces, Intestine, Fecal or Environmental swabs
Molecular	9331	Porcine Influenza PCR	Real time PCR	Porcine	1-3 days	Nasal swab, tissue (lung and trachea)
Clin. Path.	39	Potassium	Chemistry		same day	serum
Clin Path	141	Pro-health (heart) panel (CBC, AST, ALT, ALP, T. Bili.)	Chemistry		Same day	EDTA Blood, Serum
Clin. Path.	146	RBC	Hematology		same day	EDTA
Clin. Path.	7	Reticulocyte count	Hematology		same day	EDTA
Serology	7411	Rocky Mountain Spotted Fever Screen IFA	IFA	Canine	MWF	Whole blood, serum
Serology	7412	Rocky Mountain Spotted Fever Titer IFA	IFA	Canine	MWF	Whole blood, serum
Microbiology	1253	Salmonella Enrichment	Bacteriology		Up to 4 days	any
Molecular	9305	Salmonella PCR	PCR		1-3 days	Fresh feces, swabs, tissue

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Microbiology	1284	Salmonella Serotype	Bacteriology		Up to 1 month	culture
Clin Path, Virology	131	Sick Cat Panel (CBC, BPE, FELV, FIV, TP, BUN, ALT, ALP, Glucose, Creatinine)	Chemistry,	Feline	Same day	EDTA Blood, Serum/Plasma
	143	Small Animal Liver Panel (Glucose, BUN, ALT, ALP, Total Protein, Albumin, Total Bilirubin, Cholesterol)	Chemistry		same day	Serum
Clin. Path.	38	Sodium	Chemistry		same day	serum
Clin Path	139	Surgery Panel (CBC, TP, BUN, ALT, ALP, Glucose, Creatinine)	Chemistry		Same day	EDTA Blood, Serum
Molecular	9314	Swine Fever PCR	Real time PCR	Porcine	1-3 days	Several organs, whole blood in EDTA
Molecular	9332	Swine Influenza N1PCR	Real time PCR	Porcine	1-3 days	Nasal swab, tissue (lung)
Serology	7903	Tick Disease Panel	IFA	Canine	MWF	Whole blood, serum
Clin. Path.	19	Total Protein	Chemistry		same day	serum
Clin. Path.	118	Total t4	Chemistry		same day	serum
Serology	7414	Toxoplasmosis Screen IFA	IFA	Canine, Feline	same day	Whole blood, serum
Serology	7415	Toxoplasmosis Titer	IFA	Canine, Feline	same day	Whole blood, serum
Microbiology	1252	Trichomonas Culture	Bacteriology	Feline, Bovine	Up to 5 days	Trich pouch
Molecular	9329	Trichomonas PCR	PCR	Bovine, Feline	1-3 days	Trich pouch culture
Clin. Path.	84	Urinalysis	Urinalysis		same day	Urine
Microbiology	1210	Urine Culture	Bacteriology		72 hours	Urine or swab
Clin. Path.	103	Urine Protein/Creatinine Ratio	Chemistry		same day	Urine
Clin. Path.	106	Urine Total Protein	Chemistry		same day	Urine
Virology	9106	Virus Isolation	VI		2-3 weeks	Blood, swab or tissue
Clin. Path.	112	WBC	Hematology		same day	EDTA
Clin. Path.	113	WBC with Differential	Hematology		same day	EDTA
Serology	7213	West Nile Virus IgM ELISA	ELISA	Equine	3-5 days	serum
Molecular	9306	West Nile Virus PCR	Real time PCR	Equine	1-3 days	Swab, Cerebrospinal fluid, Tissue (brain, spleen, liver, mosquitoes)