Equine Test Guide

*** = NEW TEST**

CODE	TEST NAME • DESCRIPTION • COMPONENTS	SPECIMEN	TAT
EQUINE HEALTH PROGRAM (EHP)			
L510	**Equine Health Program** Equine Chemistry, CBC, Fibrinogen, EIA (AGID), FEC (MST)	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L510E	**Equine Health Program GVL** Equine Chemistry, CBC, Fibrinogen, EIA (AGID) by GVL, FEC (MST)	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L510NE	**Equine Health Program (no EIA)** Equine Chemistry, CBC, Fibrinogen, FEC (MST)	1.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-2 days
L511	**Equine Health Program (ELISA)** Equine Chemistry, CBC, Fibrinogen, EIA (ELISA), FEC (MST)	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-3 days
L511E	**Equine Heath Program GVL (ELISA)** Equine Chemistry, CBC, Fibrinogen, EIA (ELISA) by GVL, FEC (MST)	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-3 days
L610	**Equine Performance Horse Health Program** Equine Performance Horse Chemistry, CBC, Fibrinogen, EIA (AGID), FEC (MST)	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L610E	**Equine Performance Horse Health Program GVL** Equine Performance Horse Chemistry, CBC, Fibrinogen, EIA (AGID) by GVL, FEC (MST)	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L610NE	**Equine Performance Horse Health Program (no EIA)** Equine Performance Horse Chemistry, CBC, Fibrinogen, FEC (MST)	1.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-2 days
L615	**Equine Senior Health Program** Equine Chemistry, CBC, Fibrinogen, ACTH Endogenous (Equine), Insulin (Equine), EIA (AGID), FEC (MST) See L525 and T470E for additional drawing instructions.	3.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, 1.0 mL EDTA plasma (Label accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L615E	**Equine Senior Health Program GVL** Equine Chemistry, CBC, Fibrinogen, ACTH Endogenous (Equine), Insulin (Equine), EIA (AGID) by GVL, FEC (MST) See L525 and T470E for additional drawing instructions.	3.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, 1.0 mL EDTA plasma (Label accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L615NE	**Equine Senior Health Program (no EIA)** Equine Chemistry, CBC, Fibrinogen, ACTH Endogenous (Equine), Insulin (Equine), FEC (MST) See L525 and T470E for additional drawing instructions.	2.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, 1.0 mL EDTA plasma (Label accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-3 days
L615T	**Equine Senior Health Program with TRH** Equine Chemistry, CBC, Fibrinogen, ACTH TRH Stim Pre and Post (Equine), Insulin (Equine), EIA (AGID), FEC (MST) See L535 and T470E for additional drawing instructions	3.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, 1.0 mL PRE EDTA plasma, 1.0 mL POST EDTA plasma (Label both accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L110	**Equine Infectious Anemia (EIA) AGID** • All blocks of the official form must be completed. • Sample tube labeling must match official form by either horse's name or tube number EXACTLY.	1.0 mL serum	2-3 days
L111	**Equine Infectious Anemia (EIA) AGID by GVL** Sample tube labeling must match official form by either horse's name or tube number EXACTLY.	1.0 mL serum	2-3 days

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L120	**Equine Infectious Anemia (EIA) ELISA** • All blocks of the official form must be completed. • Sample tube labeling must match official form by either horse's name or tube number EXACTLY.	1.0 mL serum	1-3 days
L121	**Equine Infectious Anemia (EIA) ELISA by GVL** Sample tube labeling must match official form by either horse's name or tube number EXACTLY.	1.0 mL serum	1-3 days
EQUINE CBC AND CHEMISTRY			
T332	**CBC and Fibrinogen**	1.0 mL EDTA whole blood with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L365	**Fibrinogen Quantitative**	0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line	24 Hours
L070	**Equine Inflammatory Profile** CBC, Fibrinogen, Plasma Protein	1.0 mL EDTA whole blood with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-2 days
T415 **Add-On Equivalent ADD290**	**PT and aPTT**	0.5 mL citrated plasma collected as whole blood in blue top tube at least 2/3rds full to the fill line	24 hours
L010	**Equine Chemistry** T Prot, Alb, Glob, A/G, AST (SGOT), Alk Phos, GGT, T. Bili, D. Bili, BUN, Creat, BUN/Creat, Phos, Glu, Ca, NA, K, NA/K, Cl, Chol, Trig, CPK, LDH Recommended for all large animal patients except for Bovine (use code L1001)	0.5 mL serum	24 hours
L601	**Equine Performance Horse Chemistry** T. Prot, Alb, Glob, A/G, AST (SGOT), Alk Phos, GGT, BUN, Creat, BUN/Creat, NA, K, Cl, CPK	0.5 mL serum	24 hours
L050	**Equine Chemistry, CBC**	0.5 mL serum and 1.0 mL EDTA whole blood	24 hours
L040	**Equine Chemistry, CBC, Fib** Recommended for all large animal patients except for Bovine (use code L080)	0.5 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L040R	**Equine Chemistry, CBC, Fib (Recheck)** Resubmission must be within 30 days of original accession and previous accession number must be referenced on the new request form.	0.5 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L640	**Equine Performance Horse Panel** Equine Performance Horse Chemistry, CBC, Fibrinogen	1.0 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L565	**Equine Chemistry, CBC, Fib, T4, fT4 (ED)**	2.0 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L035	**Equine Chemistry, CBC, Fib, fT4(ED)**	1.5 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
L030	**Equine Chemistry, CBC, Fib, T4**	0.5 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L290	**Neonatal Foal Panel** Equine Chemistry, CBC, Fibrinogen, Equine IgG Total	1.0 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-3 days
L090	**Equine IgG Total** Note: IgG testing is species specific (see Large Animal Section for all non-equine species)	0.5 mL serum **OR** 1.0 mL EDTA plasma	1-2 days
L225	**Equine Hepatic Screen** T Prot, Alb, Glob, AST (SGOT), Alk Phos, GGT, T. Bili, D. Bili, I. Bili, BUN, NA, K, Cl, LDH	0.5 mL serum	24 hours

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L230	**Equine Hepatic Panel** Equine Hepatic Screen, Bile Acids	1.0 mL serum	1-2 days
T225	**Bile Acids**	0.5 mL serum	1-2 days
L1025	**Equine Hepatic Profile** Equine Hepatic Screen, Bile Acids, SDH See T250 for additional drawing instructions.	1.5 mL serum **AND** 0.5 mL cold or frozen serum (for SDH testing)	1-2 days
T250	**Sorbital Dehydrogenase (SDH)** Note: Submit sample within 24 hrs of draw	0.5 mL cold or frozen serum	1-2 days
L240	**Equine Renal Screen** T Prot, Alb, BUN, Creat, Phos, Glu, Ca, NA, K, Cl	0.5 mL serum	24 hours
L275	**Equine Muscle Enzyme Screen** AST (SGOT), CPK	0.5 mL serum	24 hours
L280	**Equine Muscle Enzyme Screen, CBC, Fib** CBC, AST (SGOT), CPK, Fibrinogen	1.0 mL of serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L190	**Equine Rhabdomyolysis Screen** AST (SGOT), BUN, Creat, Phos, Ca, NA, K, Cl, CPK, LDH	0.5 mL serum	24 hours
T240 **Add-On Equivalent ADD130**	**Protein Electrophoresis (Serum)** T Prot, Alb, Glob, Alpha 1, Alpha 2, Beta 1, Gamma 1, fractional assessment with interpretation	0.5 mL serum	2-4 days
S1680	**Equine Pre-Purchase Drug Screen** Drug Screen (performed at TVMDL) includes: • **Corticosteroids (LC/MS):** Betamethasone, dexamethasone, methylprednisolone, prednisolone, prednisone and triamcinolone acetonide • **NSAIDs:** Acetaminophen, acetylsalicylic acid, carprofen, celecoxib, deracoxib, diclofenac, diflunisal, eltenac, ethacrynic acid, etodolac, fenbufen, fenoprofen, firocoxib, flufenamic acid, flunixin, flurbiprofen, ibuprofen, indomethacin, indoprofen, ketoprofen, ketorolac, meclofenamic acid, mefenamic acid, meloxicam, nabumetone, naproxen, oxyphenbutazone, phenylbutazone, piroxicam, salicyclic acid, tenoxicam, tolfenamic acid and tolmetin • **Tranquilizers:** Acepromazine, fluphenazine, fluoxetine, guanabenz, reserpine and romifidine • **Muscle relaxant:** Methocarbamol	10 mL urine (preferred) **OR** 5.0 mL serum (acceptable)	7-10 days
EQUINE URINE			
T760 **Add-On Equivalent ADD220**	**Urinalysis-Complete**	6.0 mL urine	24 hours
L340	**Fractional Excretion of Electrolytes** • **Serum:** Calcium, Chloride, Creatinine, Phosphorus, Sodium, Potassium • **Urine:** Calcium, Chloride, Creatinine, Phosphorus, Sodium, Potassium	1.0 mL serum **AND** 1.0 mL urine (Label accordingly) Serum and urine **MUST** be drawn and submitted **TOGETHER**	24 hours
EQUINE FECAL			
T826	**FEC: Modified Stoll's Technique (MST)** *Strongyle* sp. and *Parascaris* sp. ova (EPG) performed by Modified Stoll's Technique and qualitative ID of all other parasites. Lowest detection limit is **2 EPG**.	10 grams feces (refrigerate and tested within 72 hours of collection)	1-2 days

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T828	**FEC: McMasters Method (Large Animal)** *Strongyle* sp. and *Parascaris* sp. ova (EPG) performed by McMaster's Method (MM) and qualitative ID of all other parasites. Lowest detection limit is **100 EPG**.	10 grams feces (refrigerate and tested within 72 hours of collection)	1-2 days
L86181	***Clostridium* Difficile Toxins A/B** See L950 Equine Gastrointestinal PCR Panel for additional testing options	5 grams feces	1-2 days
T16007	***Clostridium* Perfringens Enterotoxin** See L950 Equine Gastrointestinal PCR Panel for additional testing options	5 grams feces (send on ice)	1-2 days
M160	**Culture, Feces** *Salmonella* spp., Shigella spp., and *Campylobacter* spp. See L950 Equine Gastrointestinal PCR Panel for additional testing options	5 grams feces	3-4 days
M121	**Culture, *Salmonella*** Note: Negative *Salmonella* spp. culture result does not rule out *Salmonella* spp. Five-day serial submissions are recommended.	5 grams of feces (samples may be collected a minimum of 12 hours apart but should be submitted within 48 hours of collection)	3-4 days
L496	**Acute Diarrhea Panel** Fecal Culture, *Clostridium perfringens* enterotoxin, *Clostridium difficile* toxins A/B	10 grams feces	2-4 days
L492	**Foal Diarrhea Panel** FEC (MST), Fecal Culture, *Clostridium perfringens* enterotoxin, *Clostridium difficile* toxins A/B	10 grams feces	2-4 days
L420	**Chronic Diarrhea Panel** Equine Chemistry, CBC, Fibrinogen, FEC (MST), Fecal Culture, *Clostridium perfringens* enterotoxin, *Clostridium difficile* toxins A/B	1.0 mL serum, 1.0 mL EDTA whole blood, 10 grams feces, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-4 days
EQUINE ENDOCRINOLOGY			
T495 **Add-On Equivalent ADD190**	**T4**	0.5 mL serum	24 hours
T460 **Add-On Equivalent ADD50**	**Free T4 by Equilibrium Dialysis** Note: Test will **NOT** be performed as an add-on to samples older than 5 days.	0.5 mL serum	2-3 days
SA370	**Thyroid Profile 2** Total T4, Free T4 by Equilibrium Dialysis	1.0 mL serum	1-3 days
L590	**TRH Stimulation for Thyroid Function** T3 (Baseline), T4 (Baseline), T3 (2-hr Post TRH), T4 (4-hr Post TRH) Sample Handling: • Draw baseline serum sample • Administer 1 mg of TRH IV • Draw 2-hour post serum sample • Draw 4-hour post serum sample	0.5 mL PRE serum, 0.5 mL 2-hr POST serum, 4-hr POST serum. (Label accordingly)	1-2 days
L500	**PPID Monitoring Panel** Equine Chemistry, CBC, Fibrinogen, ACTH Endogenous (Equine), Insulin (Equine), T4 See L525 and T470E for additional drawing instructions.	1.0 mL serum, 1.0 mL EDTA whole blood, 1.0 mL EDTA plasma (Label accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-2 days
L500TRH	**PPID Monitoring Panel with ACTH TRH Stim** Equine Chemistry, CBC, Fibrinogen, ACTH TRH Stim Pre and Post (Equine), Insulin (Equine), T4 See L535 and T470E for additional drawing instructions.	1.0 mL serum, 1.0 mL EDTA whole blood, 1.0 mL EDTA PRE plasma, 1.0 mL EDTA POST plasma (Label both accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-2 days
L560	**PPID Monitoring Panel with fT4 (ED)** Equine Chemistry, CBC, Fibrinogen, ACTH Endogenous (Equine), Insulin (Equine), T4, Free T4 by Equilibrium Dialysis See L525 and T470E for additional drawing instructions.	2.0 mL serum, 1.0 mL EDTA whole blood, 1.0 mL EDTA plasma (Label accordingly), with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	1-3 days

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L525	**ACTH Endogenous (Equine)** Sample Handling: • 12-hour fast with one flake of hay left in the stall • Draw sample with EDTA whole blood • Spin and transfer to non-additive tube (lab will not run on unspun samples) • Send on ice	1.0 mL EDTA plasma (Label accordingly)	1-2 days
L535	**ACTH TRH Stim Pre and Post (Equine)** *Recommended if results from L525 were previously normal but disease is still strongly suspected.* See L525 and L525P for additional drawing instructions.	1.0 mL PRE EDTA plasma **AND** 1.0 mL POST EDTA plasma (Label **BOTH** accordingly)	1-2 days
L525P*	**ACTH TRH Stim Post (Equine)** Sample Handling: • 12-hour fast with one flake of hay left in the stall • Administer 1 mg of TRH • Draw sample at **10 min post** with EDTA whole blood • Spin and transfer to non-additive tube (lab will not run on unspun samples) • Send on ice	1.0 mL POST EDTA plasma (Label accordingly)	1-2 days
L580	**ACTH TRH Stim Pre and Post, Insulin, Glucose (Equine)** See L535 and T470E for additional drawing instructions.	1.0 mL serum, 1.0 mL PRE EDTA plasma **AND** 1.0 mL POST EDTA plasma (Label ALL accordingly)	1-2 days
L540	**ACTH Endogenous, Insulin, Glucose (Equine)** See L525 and T470E for additional drawing instructions.	0.5 mL serum **AND** 1.0 mL EDTA plasma (Label **BOTH** accordingly)	1-2 days
L575	**ACTH Endogenous, Insulin, Glucose, Leptin (Equine)** See L525 and T470E for additional drawing instructions.	0.5 mL serum, 2.0 mL serum (send on ice), **AND** 1.0 ml EDTA plasma (Label ALL accordingly)	1-10 days
T470E	**Insulin, Glucose (Equine)** Sample Handling: • 12-hour fast with one flake of hay left in the stall • Draw sample in non-additive tube or serum separator tube and spin If baseline results are normal but disease is strongly suspected, an Oral Sugar Test (OST) is recommended. See code L545.	0.5 mL serum (Label accordingly)	1-2 days
T470ET*	**Insulin, Glucose, Triglycerides (Equine)** See T470E for additional drawing instructions.	1.0 mL serum	1-2 days
T470EP*	**Insulin, Glucose Postprandial (Equine)** Sample Handling: • 3-hour fast followed by ***feed diet for testing purposes*** (indicate diet given on the form) • Draw sample at **60-90 min post feed** in non-additive tube or serum separator tube and spin	1.0 mL POST serum (Label accordingly)	1-2 days
T470EPP*	**Insulin, Glucose Pre and Postprandial (Equine)** Insulin, Glucose (Equine) and Insulin, Glucose Postprandial (Equine) Sample Handling: • 3-hour fast • Draw sample in non-additive tube or serum separator tube and spin • ***Feed diet for testing purposes*** (indicate diet given on the form) • Draw sample at **60-90 min post feed** in non-additive tube or serum separator tube and spin	1.0 mL PRE serum **AND** 1.0 mL POST serum (Label **BOTH** accordingly)	1-2 days
L545*	**Oral Sugar Test Pre and Post** Insulin, Glucose (Equine) and Insulin, Glucose Post Syrup (Equine) Sample Handling: • 12-hour fast with one flake of hay left in the stall • Draw sample in non-additive tube or serum separator tube and spin • Administer **0.15 mL/kg or 0.45 mL/kg corn syrup (see EEG guidelines)** • Draw sample at **60 to 90 min** in non-additive tube or serum separator tube and spin	1.0 mL PRE serum **AND** 1.0 mL POST serum (Label **BOTH** accordingly)	1-2 days
L545P*	**Oral Sugar Test Post** Insulin, Glucose Post Syrup (Equine) Sample Handling: • 12-hour fast with one flake of hay left in the stall • Administer **0.15 mL/kg or 0.45 mL/kg corn syrup (see EEG guidelines)** • Draw sample at **60 to 90 min** in non-additive tube or serum separator tube and spin	1.0 mL POST serum (Label accordingly)	1-2 days

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S14402	**Leptin (Equine)**	2.0 mL serum (send on ice)	7-9 days
S14464*	**Adiponectin (Equine)**	1.0 mL serum	3-5 days
EQUINE NEUROLOGY			
S14388	**EPM SAG 2,4/3 ELISA**	1.0 mL serum **OR** 1.0 mL CSF in non-additive tube (Label accordingly)	3-5 days
S14390	**EPM SAG 2,4/3 ELISA Serum/CSF Ratio** Note: Both serum **AND** CSF **MUST** be submitted together.	1.0 mL serum **AND** 1.0 mL CSF in non-additive tube (Label **BOTH** accordingly)	3-5 days
S14392	**EPM SAG 2,4/3 ELISA, N hughesi ELISA**	1.0 mL serum **OR** 1.0 mL CSF in non-additive tube (Label accordingly)	4-8 days
S14533*	**EPM IFAT Panel** Sarcofluor IFAT, Neofluor IFAT	2.0 mL serum in non-additive tube (do **NOT** use serum separator tube) **OR** 2.0 mL CSF in non-additive tube	7-10 days
S14534*	**EPM IFAT Panel with Ratio** Sarcofluor IFAT, Neofluor IFAT, EPM IFAT Ratio	2.0 mL serum in non-additive tube (do **NOT** use serum separator tube) **AND** 2.0 mL CSF in non-additive tube (Label accordingly)	7-10 days
S16275	**Equine Encephalitis Viral Panel** EEE, WEE, VEE (PRNT) and EEE (IgM Capture ELISA)	1.0 mL serum	10-14 days
S17500	**Equine Encephalitis Viral Panel Plus** Equine Encephalitis Viral Panel, West Nile Titer (PRNT & IgM ELISA), Equine Herpes Virus (EHV1) Ab	3.0 mL serum	10-14 days
S14477	**Equine Comprehensive Neurological Panel** Equine Encephalitis Viral Panel, EPM SAG 2,4/3 ELISA, West Nile Titer (PRNT & IgM ELISA), Equine Herpes Virus 1 (EHV1) PCR	3.0 mL serum **AND** one or more of the following: 5.0 mL EDTA whole blood, 5.0 mL nasal wash in non-additive tube, nasal swab in non-additive tube **without media**	5-14 days
S85448	**West Nile Titer (PRNT & IgM ELISA)**	1.0 mL serum	7-14 days
EQUINE PCR			
L950	**Equine Gastrointestinal PCR Panel** *C. difficile* A & B, *C. perfringens*, *C. perfringens* toxin A, NetF, Equine Coronavirus (ECoV), *Lawsonia intracellularis*, *Neorickettsia risticii* (PHF), Equine Rotavirus A&B, and *Salmonella* spp. Note: Single negative *Salmonella* spp. PCR result does NOT rule out *Salmonella* spp. Three (3) serial submissions are recommended (use code S14416 for sample 2 and/or sample 3).	5 grams of feces	4-5 days
L960	**Equine PCR Respiratory Panel** *Streptococcus equi*, *Streptococcus* zoo., *Rhodococcus equi*, Equine Herpes Virus 1 (EHV1), Equine Herpes Virus 4 (EHV4), Equine Influenza Virus (EIV), Equine Rhinitis Virus A and B (ERAV & ERBV)	Transtracheal wash, bronchoalveolar lavage, guttural pouch wash, nasal swab in non-additive tube **without media** or respiratory tract tissue	4-5 days
L965	**Equine PCR FUO Panel** • **Swab:** *Streptococcus equi*, Equine Herpes Virus 1, Equine Herpes Virus 4, Equine Influenza Virus, Equine Rhinitis Virus A & B • **EDTA whole blood:** Equine Herpes Virus-1, *Anaplasma phagocytophilum*, *N. risticii* (PHF) • **Fecal:** *Neorickettsia risticii* (PHF), Coronavirus (ECoV)	1.0 mL EDTA whole blood, nasal swab in non-additive tube **without media**, **AND** 5 grams of feces	4-5 days
L970	**Equine PCR FUO Mini** • **EDTA whole blood:** Equine Herpes Virus-1, *Anaplasma phagocytophilum*, *N. risticii* (PHF) • **Fecal:** *Neorickettsia risticii* (PHF), Coronavirus (ECoV)	1.0 mL EDTA whole blood **AND** 5 grams of feces	4-5 days
S14421	***Anaplasma* Phagocytophilum PCR (Equine)**	1.0 mL EDTA whole blood	3-5 days
S14414	**Equine Coronavirus PCR (ECoV)**	5 grams of feces	4-5 days

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S14394	**Equine Herpes Virus 1 (EHV1) PCR**	One or more of the following: 5.0 mL EDTA whole blood, 5.0 mL nasal wash in non-additive tube, nasal swab in non-additive tube **without media**	3-5 days
L978	**Equine *Leptospira* PCR Blood/Urine**	0.5 mL EDTA whole blood **AND** 2.0 mL of urine	3-5 days
S14479	***Neorickettsia risticii* (PHF) PCR**	1.0 mL EDTA whole blood **AND**/**OR** 5 grams of feces	4-5 days
S14396	***Rhodococcus equi* PCR**	One or more of the following: Transtracheal wash, bronchoalveolar lavage, nasal swab in non-additive tube **without media**	4-5 days
T983	**Equine Ringworm PCR Panel** Microsporum spp., *M. equinum/canis, M. gypseum, Trichophyton* spp., *T. equinum/mentagrophytes*	Minimum 10 plucked hair with roots, skin scraping, **OR** tooth brush sample in sterile, dry container free of liquids or preservatives	1-5 days
T987	**Equine Ringworm PCR with Dermatophyte Culture**	Minimum 10 plucked hair with roots, skin scraping, **OR** tooth brush sample in sterile, dry container free of liquids or preservatives	1-21 days
S14416	***Salmonella* spp. PCR** Note: Single negative *Salmonella* spp. PCR result does not rule out *Salmonella* spp. Three (3) serial submissions are recommended.	5 grams of feces (Multiple days should be submitted separately but within 72 hours of collection and marked by date of collection)	4-5 days
S86308	***Streptococcus equi equi* PCR**	One or more of the following: 5.0 mL nasal wash in non-additive tube, 5.0 mL guttural pouch wash in non-additive tube, pharyngeal swab in non-additive tube **without media**	4-5 days
EQUINE MARE REPRODUCTION			
S16295	**Estradiol** *Recommended for testing if **after** 120 days post-breeding*	1.0 mL serum	7-10 days
S16300	**Estrone Sulfate (Equine)** *Recommended for testing if **after** 100 days post-breeding*	1.0 mL serum	7-10 days
S16635	**Pregnant Mare Serum Gonadotropin (PMSG)** Recommended for testing at day 45-120 post breeding	2.0 mL serum	7-9 days
L140	**Progesterone**	0.5 mL serum in non-additive tube (do **NOT** use SST)	1-2 days
L460	**Progesterone, PMSG (Equine)**	2.5 mL serum in non-additive tube (do **NOT** use SST)	1-9 days
L470	**Progesterone, Estradiol (Equine)**	1.5 mL serum in non-additive tube (do **NOT** use SST)	1-10 days
L480	**Progesterone, PMSG, Estradiol (Equine)**	3.5 mL serum in non-additive tube (do **NOT** use SST)	1-10 days
EQUINE MARE REPRODUCTION - GRANULOSA CELL TUMOR TESTING			
S85857	**Equine Granulosa Cell Tumor** Progesterone, Testosterone, Inhibin (Equine)	3.0 mL serum in non-additive tube (do **NOT** use SST)	2-21 days
S4131	**Inhibin (Equine)**	1.0 mL serum	2-3 weeks
S14320	**Anti-Mullerian Hormone (Equine)**	1.0 mL serum	3-8 days
EQUINE STALLION/GELDING REPRODUCTION			
S16760	**Testosterone**	0.5 mL serum	3-5 days
SEMEN	**Semen Analysis** Sperm Count (Total Volume and pH), with Cytologic Evaluation	2.0 mL semen (fresh or extended) in lavender top tube	1-2 days
EQUINE STALLION/GELDING REPRODUCTION - CRYPTORCHID TESTING			
T971*	**Testosterone Cryptorchid Panel (2 Sample)** Sample Handling: • Draw sample in non-additive tube or serum separator tube and spin • Administer **10,000 IU of HCG IV** (2,500 IU of HCG IV for mini-horses) • Draw sample at 2-hr post serum in non-additive tube or serum separator tube and spin	0.5 mL serum for PRE, 0.5 mL serum for POST (Label **BOTH** accordingly)	

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CODE	TEST NAME • DESCRIPTION • COMPONENTS	SPECIMEN	TAT
S85530	**Testosterone Cryptorchid Panel (4 Sample)** Pre, 20-min post, 1-hr post, 2-hr post HCG Sample Handling: • Draw sample in non-additive tube or serum separator tube and spin • Administer **10,000 IU of HCG** (2,500 IU of HCG for mini-horses) • Draw sample at 20-min post, 1-hour post and 2-hr post serum in non-additive tubes or serum separator tubes and spin	0.5 mL serum for PRE and each POST sample (Label ALL accordingly with TIME)	3-5 days
S16300	**Estrone Sulfate (Equine)** *Recommended **after** 3 years of age*	1.0 mL serum	7-10 days
S14320	**Anti-Mullerian Hormone (Equine)** *Recommended **before** 3 years of age*	1.0 mL serum	3-8 days
EQUINE MICROBIOLOGY			
M020	**Culture, Aerobic**	Culturette from fluid (body cavity fluids), TTW, BAL, wound, lesion, skin, tissue (at least 2 cm x 2 cm) in sterile air tight container with saline, **OR** environmental sample (label **BOTH** the sample and form with source) *Samples collected with EDTA are **NOT** acceptable*	3-4 days
M020REPR*	**Culture, Aerobic (Reproduction)**	Culturette from uterus (endometrium)	3-4 days
M220	**Culture, Aerobic (Enhanced Fluid)** Note: If submitting multiple joints, should be submitted separately as different requests in different bags.	Fluid in BD Bactec Blood Culture Bottle (BCB) (label **BOTH** the BCB bottle and form with source)	3-4 days
M060	**Culture, Aerobic (Blood)** *Recommended when bacteremia with an aerobic organism is suspected.*	Whole blood collected in BD Bactec Blood Culture Bottle (BCB) *(must be put in the BCB before sending to the laboratory)*	3-5 days
M030	**Culture, Anaerobic**	Anaerobic culturette of fluid (body cavity fluids), TTW or BAL, wound, lesion. Tissue sample (at least 2 cm x 2 cm) in sterile air tight container with saline (label **BOTH** the sample and form with source) *Samples collected with EDTA are **NOT** acceptable*	3-5 days
M040	**Culture, Aerobic and Anaerobic** See M020 and M030 for additional drawing instructions and acceptable specimens	Aerobic culturette and anaerobic culturette (label **BOTH** the sample and form with source) Samples collected with EDTA are **NOT** acceptable	3-5 days
M080	**Culture, Fungal** *If Ringworm is suspected, use code T983 or T987.*	*One or more of the following:* Dry hair, nails, skin scraping, body fluid, lesion material collected in a sterile non-additive tube, Copan swab (label **BOTH** the sample and form with source)	3 weeks
M130 **Add-On Equivalent ADD210**	**Culture, Urine**	0.5 mL urine by cystocentesis, clean catch or catheterized (label **BOTH** the sample and form with source)	1-3 days
EQUINE PATHOLOGY			
CYTO	**Cytology**	Air-dried, unstained slides (include source and clinical history)	1-3 days
CYTOREPR*	**Cytology (Reproduction)**	Two or more air-dried slides prepared fresh from uterine swab at time of collection *Uterine swabs in or out of media are **NOT** an acceptable sample and will **NOT** be tested*	1-3 days
FLUA	**Fluid Analysis** Includes Cell Count, Specific Gravity, Protein measurement, and microscopic interpretation by clinical pathologist *Recommended test for the evaluation of fluids from a cavity or tissue space.*	1.0 mL body fluid in lavender top tube or non-additive tube with or without 2 unstained smears prepared from fluid (include source and clinical history)	1-3 days

*** = NEW TEST**

CODE	TEST NAME • DESCRIPTION • COMPONENTS	SPECIMEN	TAT
CSF	**Fluid Analysis (CSF)** Includes CSF Cell Count, Specific Gravity, Protein & Glucose measurement, and microscopic interpretation by clinical pathologist	1.0 mL CSF in lavender top tube or non-additive tube (include clinical history)	1-3 days
SYFLUA	**Fluid Analysis (Synovial)** Includes Color, Clarity, Synovial Fluid Cell Count, Specific Gravity, Protein measurement, and microscopic interpretation by clinical pathologist Note: If submitting multiple joints, should be submitted separately as different requests in different bags.	1.0 mL synovial fluid in lavender top tube (include clinical history)	1-3 days
TTW	**Airway Wash**	1.0 mL airway wash fluid in lavender top tube or non-additive tube **AND**/**OR** 2 or more air-dried, unstained slides prepared from fluid (include source and clinical history)	2-4 days
FBX	**Histopathology**	Tissue in 10% formalin in Antech approved container with screw-on lid (include source and clinical history)	3-5 days
EQUINE INDIVIDUAL TESTS			
S14466	**Equine 11 Metal & Mineral Panel** • **Serum:** Cobalt, Copper, Iron, Manganese, Molybdenum, Selenium, Zinc • **EDTA Whole Blood:** Arsenic, Cadmium, Lead, Thallium *Serum provides current-day level. Whole blood provides status over time.*	1.0 mL serum **AND** 1.0 mL EDTA whole blood	5-10 days
S16285	**Equine Viral Arteritis (EVA)**	1.0 mL serum	7-10 days
S16510	**Leptospirosis** *L. pomona, L. icterohemorrhagiae, L. canicola, L. grippotyphosa, L. hardjo, L. autumnalis, L. bratislava*	1.0 mL serum	3-5 days
T672	**Lyme Multiplex (Equine)**	0.5 mL serum	5-10 days
S16848	**Piroplasmosis (Equine)** Theileria (*Babesia*) *equi*, *Babesia* caballi	2.0 mL serum	10-12 days
S16740	***Streptococcus equi* SeM ELISA**	1.0 mL serum	7-10 days
S16850	**Vitamin E** Sample Handling: • Serum needs to in covered container to prevent exposure to light • Patient age **MUST** be provided	1.0 mL spun serum	7-10 days
S17505	**Vitamin E, Selenium** See S16850 for additional drawing instructions	1.5 mL spun serum	7-10 days
LARGE ANIMAL CBC AND CHEMISTRY			
T332	**CBC and Fibrinogen**	1.0 mL EDTA whole blood with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
L1001	**Ruminant Chemistry** Equine Chemistry, Magnesium	0.5 mL serum	24 hours
L080	**Ruminant Chemistry, CBC, Fib**	0.5 mL serum, 1.0 mL EDTA whole blood, with or without 0.5 mL citrated plasma (preferred for Fibrinogen)	24 hours
S16035	***Anaplasma* CF (Bovine)**	2.0 mL serum	5-10 days
S16124	***Babesia* Bovis**	1.0 mL serum	7-10 days
T785	**Baermann** *Recommended to detect lungworm larvae in fecal samples*	10 grams feces	2-4 days
S14456	**Bovine Herpes Virus**	1.0 mL serum (send on ice)	5-7 days

*** = NEW TEST**

CODE	TEST NAME • DESCRIPTION • COMPONENTS	SPECIMEN	TAT
S16844	**Bovine Viral Diarrhea (BVD) ELISA**	1.0 mL of serum from precolostral newborn calves or calves older than three months are suitable for testing. Ear notches from animals of all ages may also be tested	7-10 days
S86551	**Bovine Viral Diarrhea (BVD) PCR**	2.0 mL EDTA whole blood, fresh tissue, semen, or milk in non-additive tube	7-10 days
S16145	**Caprine Arthritis Encephalitis (CAE)**	1.0 mL serum	7-10 days
S16425	**IgG Bovine**	1.0 mL serum	7-10 days
S16430	**IgG Llama**	1.0 mL serum	2-3 days
S16302	**Johne's Disease Antibody** *Recommended for whole herd screening*	1.0 mL serum	5-7 days
T805	**Ova and Parasite**	5 grams feces (refrigerate and tested within 48 hours of collection)	1-2 days

Customer Service

Equine Support

1-800-872-1001, Dial 4

M-F	5 AM - 9 PM PT • 8 AM - Midnight ET
Sat	5 AM - 5 PM PT • 8 AM - 8 PM ET
Sun	6 AM - 3 PM PT • 9 AM - 6 PM ET

Email

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