

TEST	SAMPLE TYPE	PERFORMED	TURNAROUND	COMMENTS/SPECIAL INSTRUCTIONS
<b>CHEMISTRY</b>				
Ammonia (NH <sub>3</sub> )	Li Hep	Daily	1 day	Submit within 30 minutes of collection, keep cool or on ice
Bile Acids	Li Hep or Plain Red Top	Daily	1 day	Protect from light, wrap in foil (*)
Bilirubin Profile (T Bili, D Bili, InD Bili)	Li Hep or Plain Red Top	Daily	1 day	Protect from light, wrap in foil (*)
Blood Gases	1-2 cc heparinized syringe-corked	Daily	1 day	Submit within 10 minutes of collection;
Cardiac Enzymes (CK, LDH, AST)	Li Hep or Plain Red Top	Daily	1 day	(*)
Chem Profile (Na, K, Cl, CO <sub>2</sub> , Anion Gap, Gluc, Bun, Creat, Ca, Phos, TP, Alb, Alk P, GGT, AST, LD, CK, T Bili)	Li Hep or Plain Red Top	Daily	1 day	(*)
Colostrum IgG	2 ml Colostrum in Red Top Tube	Daily	1 day	
Direct Bilirubin	Li Hep or Plain Red Top	Daily	1 day	Protect from light, wrap in foil (*)
Electrolytes (Na, K, Cl, CO <sub>2</sub> , TP)	Li Hep or Plain Red Top	Daily	1 day	(*)
Foal Profile (CBC, TP, IgG)	EDTA	Daily	1 day	
Glucose Tolerance	Li Hep, Plain Red, or Grey top tubes	Daily	1 day	Specify collection times; centriuge and send plasma or serum
IgG	EDTA, Li Hep, or Plain Red Top	Daily	1 day	(*)
Individual Chemistries (Refer to Chem Profile above)	Li Hep or Plain Red Top	Daily	1 day	(*)
Intracellular K+	Li Hep	Daily	1 day	Hemolyzed specimen will be rejected
Ionized Calcium	Li Hep	Daily	1 day	(*)
Lactate	Li Hep	Daily	1 day	Submit within 30 minutes of collection, keep cool or on ice;(*)
Liver Profile (LD, Alk P, GGT, AST, T Bili)	Li Hep or Plain Red Top	Daily	1 day	(*)
Magnesium	Li Hep or Plain Red Top	Daily	1 day	(*)
Milk Electrolytes (Na, K, Ca, Ionic Points)	Milk in Red Top Tube	Daily	1 day	
Serum Amyloid A (SAA)	Red Top Tube	Daily	1 day	
SDH	Li Hep or Plain Red Top	Daily	1 day	(*)
Therapeutic Profile (Hemogram, Lytes)	EDTA and Li Hep	Daily	1 day	
Triglycerides	Li Hep or Plain Red Top	Daily	1 day	(*)
Urine Fractionation Panel (Na, K, Cl, CO <sub>2</sub> , Creat, GGT)	2 ml urine in Red Top Tube	Daily	1 day	
<b>COAGULATION</b>				
APTT (Activated Partial Prothrombin Time)	Sodium Citrate	Daily	1 day	Submit within 30 minutes of collection, keep cool or on ice
PT (Prothrombin Time)	Sodium Citrate	Daily	1 day	Submit within 30 minutes of collection, keep cool or on ice

\* Li Hep - Lithium Heparin is the preferred specimen for chemistry testing when available. For quicker turnaround times submit lithium heparin tubes or Li Hep plasma

† Slides will be accepted, but brush, swab, or fluid is the preferred specimen type.

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<b>CYTOLOGY</b>				
Abscess/Miscellaneous Aspirate	Slides, Swab in Plain Red top tube, or fluid in EDTA	Daily	1 day	Specify specimen site (†)
Eye/Ear	Slides or Swab in Plain Red top tube	Daily	1 day	Specify specimen site (†)
Fecal Cytology	Feces	Daily	1 day	
Milk	Red Top Tube	Daily	1 day	
Seminal (Semen)	Fluid in Sterile Cup	Daily	1 day	
Skin	Plain Red top	Daily	1 day	
Sterile Body Fluid (Joint, Peritoneal, Fluid, CSF, etc.)	Fluid in EDTA preferred, or fluid in sterile container	Daily	1 day	(†) Specify body fluid and specimen site if applicable; Examples: Joint/Synovial, Chest/Pericardial, Abdominal/Peritoneal, or Pleural
TTW ( <i>Trans Tracheal Wash</i> )	Slides or fluid in EDTA	Daily	1 day	(†)
Uterine	TTW in EDTA (purple) tube, or sterile container	Daily	1 day	(†)
Uterine Flush	Fluid in Sterile Container	Daily	1 day	
<b>FLUID ANALYSIS</b>				
BAL (Bronchial Lavage) Analysis ( <i>Cell Counts &amp; Cytology</i> )	EDTA (purple top) tube	Daily	1 day	
Body Fluid Analysis ( <i>WBC, RBC, TPP, Cytology</i> )	EDTA (purple top) tube	Daily	1 day	(†) Specify body fluid and specimen site if applicable; examples: Joint/Synovial, Chest/Pericardial, Abdominal/Peritoneal, or Pleural
Body Fluid Cell Count ( <i>WBC, RBC, TPP</i> )	EDTA (purple top) tube	Daily	1 day	
CSF Analysis ( <i>WBC, RBC Cytology, Gluc, LD, CK, and Micro TP</i> )	EDTA (purple top) tube	Daily	1 day	
Urinalysis ( <i>includes dipstick and microscopic analysis</i> )	Sterile Cup	Daily	1 day	
<b>HEMATOLOGY</b>				
CBC ( <i>WBC, RBC, Hgb, Hct, MCV, MCH, MCHC, Plt, WBC differential</i> )	EDTA	Daily	1 day	
Differential ( <i>Neutro, Bands, Lymph, Monos, Eos, Baso</i> )	EDTA	Daily	1 day	Specify if Automated or Manual
Fibrinogen	EDTA	Daily	1 day	
Foal Profile ( <i>CBC, TP, IgG</i> )	EDTA	Daily	1 day	
Hemogram ( <i>WBC, RBC, Hgb, Hct, MCV, MCH, MCHC, Plt</i> )	EDTA	Daily	1 day	
Platelet Count	EDTA	Daily	1 day	
<b>HORMONE ASSAYS</b>				
Progesterone ( <i>P4</i> )	Plain Red Top	see comments	1-3 days	M-F (Season); Volume Dependent (Off Season)(‡)
T4	Plain Red Top	see comments	1-3 days	M-F (Season); Volume Dependent (Off Season)(‡)
<b>IMMUNOHEMATOLOGY</b>				
Coombs	EDTA	Daily	1 day	(‡)
JFA (Jaundice Foal Agglutination)	Mare's Colostrum in Plain Red Top <b>AND</b> Foal's blood in Plain Red Top	Daily	1 day	(‡)
NI Screen (Neonatal Isoerythrolysis)	Plain Red Top	see comments	1-3 days	M-F (Season); Volume Dependent (Off Season)(‡) Collect within two weeks of mare foaling. Serum separator tubes and hemolyzed specimens will be rejected.
Transfusion Crossmatch	Plain Red Top from Donors and Recipient	Daily	1 day	(‡)
<b>SEROLOGY</b>				
Coggins - AGID (Regular)	Plain Red Top	Daily	1-2 days	(‡)
Coggins - Elisa (2-hour)	Plain Red Top	Daily	2 hours	(‡)

‡ DO NOT USE SERUM SEPARATOR TUBES

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<b>MICROBIOLOGY (Sensitivities are included in the Culture)</b>				
Abscess Culture	Purulent material submitted in Amies Clear or LQ Stuart's Culturette	Daily	3-5 days	Specify source
Anaerobe Culture	Specimen submitted in Port A Cult tube or other suitable anaerobic media	Daily	3-5 days	Specify source; Identification only, no sensitivities performed
Blood Culture	1-3 mls of venous blood using sterile techniques injected into a Blood Culture Bottle	Daily	4-5 days	Do not put on ice
Body Fluid Culture	Fluid submitted in Amies Clear or LQ Stuart's Culturette	Daily	3-5 days	Process immediately, keep at room temperature
C difficile Toxin Kit Test	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's media	Daily	1 day	Refrigerate specimens; Test detects both the Antigen(organism) and the Toxins A&B.
C perfringens Enterotoxin Kit Test	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's media	Daily	1-2 days	Cut-off time 1 pm. Specimen should be less than 24 hours old
Eye Culture	Swab submitted in Amies Clear or LQ Stuart's Culturette	Daily	3-5 days	Submit specimen within 2 hour of collection, if delay in processing refrigerate specimen
Fecal Aerobe Culture	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's media	Daily	3-5 days	Submit specimen within 2 hour of collection, if delay in processing refrigerate specimen
Fecal Anaerobe Culture	Fecal specimen submitted in Port A Cult tube	Daily	3-5 days	Submit specimen in sterile container or LQ Stuart Culturette within 2 hours of collection, Identification only, no sensitivities performed.
Fecal Egg Counts	2 tbsp fecal material in sterile container	Daily	1-2 days	Gloves are not an acceptable container
Fecal Occult Blood	Fresh fecal specimen submitted in sterile container	Daily	1 day	Minimum sample amount should be about the size of a quarter; gloves are not an acceptable container
Milk/Udder Culture	Milk or Swab of mild or infected udder	Daily	3-5 days	
Nasal Culture	Nasal flush or Nasal Swab submitted in LQ Stuart's or Amies Clear Culturette	Daily	3-5 days	Refrigerate if delay in processing sample
Rotavirus Kit Test (Does not detect all equine Rotavirus strains)	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's media	Daily	1 day	Submit specimen within 2 hour of collection, if delay in processing refrigerate specimen
Salmonella Culture	Fecal specimen submitted in sterile container or fecal swab in LQ	Daily	2 - 4 days	
Skin (Includes aerobic and DTM) Culture	Skin or hair follicles submitted in sterile container	Daily	3 - 5 days	Keep sample at room temperature until processed
Stallion Culture	Swab submitted in Amies Clear or LQ Stuart's Culturette	Daily	2-5 days	Specify Site
Strep equi Screen Culture	Specimen submitted in LQ Stuart's or Amies Clear Culturette	Daily	3-5 days	Specify Site; refrigerate if delay in processing sample
Trans Tracheal Wash (TTW) Culture	Specimen submitted in LQ Stuart's or Amies Clear Culturette	Daily	3-5 days	Can submit specimen in sterile container if processed within 2 hours of collection; refrigerate if delay in processing specimen
Urine Culture	Urine submitted in Sterile Container	Daily	2-5 days	Refrigerate if delay in processing sample
Uterine Culture	Swabs submitted in Amies Clear or LQ Stuart's Culturette	Daily	2-5 days	Keep at room temperature
Uterine Flush Culture	Fluid submitted in Amies Clear or LQ Stuart's Culturette or sterile container	Daily	2-5 days	Keep at room temperature
Wound Culture	Swab submitted in Amies Clear or LQ Stuart's Culturette	Daily	3-5 days	Specify site

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<b>PCR(INDIVIDUAL TESTS)</b>				
Clostridium difficile A/B qPCR	Feces or rectal swab	M - F	1-3 days	(U)
Clostridium perfringens Enterotoxin qPCR (C perf, CPE)	Feces or rectal swab	M - F	1-3 days	(U)
Clostridium perfringens Toxins (C perf,CPA, CPB,CPB2,CPE, netF) qPCR	Feces or rectal swab	M - F	1-3 days	(U)
Coronavirus qPCR	Feces or rectal swab	M - F	1-3 days	(U)
Cryptosporidium spp. qPCR	Feces or rectal swab	M - F	1-3 days	(U)
Enviromental Salmonella qPCR	Swab	M - F	3-4 days	
Equine Herpesvirus 1 qPCR(includes neuropathogenic and non-neuropathogenic)	Nasal swab (preferred specimen), EDTA whole blood, or uterine swab	M - F	1-3 days	(U)
Equine Herpesvirus 4 qPCR	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)
Equine Influenzae qPCR	Nasal swab or wash, or transtracheal wash	M - F	1-3 days	(U)
Equine rhinitis A qPCR	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)
Equine rhinitis B qPCR	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)
Lawsonia intracellularis qPCR	Feces or rectal swab	M - F	1-3 days	(U)
Neorickettsia risticii qPCR Panel (Potomac Horse Fever)	Feces and EDTA whole blood	M - F	1-3 days	(U)
Neorickettsia risticii qPCR (Potomac Horse Fever)	Feces or EDTA whole blood	M - F	1-3 days	(U)
Rhodococcus equi (vapA gene) qPCR	Transtracheal wash or feces	M - F	1-3 days	(U)
Rotavirus qPCR (include A&B)	Feces or rectal swab	M - F	1-3 days	(U)
Salmonella qPCR	Feces or rectal swab	M - F	2-5 days	
Streptococcus equi subsp equi qPCR	Guttural pouch lavage, nasal swab or wash, or Transtracheal wash	M - F	1-3 days	(U)
<b>PCR (PANELS)</b>				
Adult Diarrhea qPCR Panel (Salm,C diff tox A/B, CPE, Lawsonia, PHF,ECV)	Feces or rectal swab	M - F	2-5 days	
EHV1 qPCR Panel	Nasal swab or wash and EDTA whole blood	M - F	1-3 days	(U)
EHV1&4 qPCR Panel	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)
Equine Rhinitis A&B qPCR	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)
Foal Diarrhea qPCR Panel (Salm, Rota, C diff tox A/B, C perf Ag, CPE, C perf netF, ECV, Crypto sp., PHF, Lawsonia, R equi)	Feces or rectal swab	M - F	2-5 days	
Neonatal Diarrhea qPCR Panel (Salm,Rota A, Rota B, C diff Tox A/B, C perf Ag, C perf Toxins(A, B, B2, Enterotoxin& netF), E hirae/durans)	Feces or rectal swab			
IDC Environmental qPCR Panel(Salm, C diff tox A/B, C perf, Crypto, Rota)	Swiffer, feces or rectal swab	M - F	2-5 days	
Respiratory qPCR Panel (EHV1, EHV4, EIV,S equi)	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)
Respiratory qPCR Panel Plus (EHV1, EHV4, EIV,S equi, ERAV,ERAB)	Nasal swab or wash or transtracheal wash	M - F	1-3 days	(U)

**Preferred specimen for swabs is a dry dacron swab placed in a plain red top tube.**

**U Samples must be received by 7am EST for same day turnaround time (5pm EST). Any samples failing quality control will require an additional 24 hours for retesting.**

