

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
<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	Fluid in Sterile Cup	Daily	1 day	
Skin	Plain Red top	Daily	1 day	
Sterile Body Fluid	Slides, Swab in Plain Red top tube, or fluid in EDTA	Daily	1 day	(†) Specify body fluid and specimen site if applicable; Examples: Joint/Synovial, Chest/Pericardial, Abdominal/Peritoneal, or Pleural
TTW (Trans Tracheal Wash)	Slides or fluid in EDTA	Daily	1 day	(†)
Uterine	Slides, Brush or Swab in Plain Red top tube	Daily	1 day	(†)
Uterine Flush	Fluid in Sterile Container or EDTA	Daily	1 day	
<b>FLUID ANALYSIS</b>				
BAL (Bronchial Lavage: WBC, RBC, Neut, Lymph, Macrophages, Eos, Mast Cells, NRBC, Bact)	EDTA	Daily	1 day	
Body Fluid Analysis (WBC, RBC, TPP, Cytology)	Slides, Swab in Plain Red top tube, or fluid in EDTA	Daily	1 day	(†) Specify body fluid and specimen site if applicable; examples: Joint/Synovial, Chest/Pericardial, Abdominal/Peritoneal, or Pleural
Body Fluid Cell Count (WBC, RBC, TPP)	EDTA	Daily	1 day	
CSF Analysis (Cytology, (WBC/RBC when indicated) Gluc, LD, CK, and Micro TP)	EDTA	Daily	1 day	
Urine (includes dipstick and microscopic analysis)	Sterile Cup	Daily	1 day	

\* 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>HEMATOLOGY</b>				
CBC (WBC, RBC, Hgb, Hct, MCV, MCH, MCHC, Plt, WBC differential)	EDTA	Daily	1 day	
Differential (Neutro, Bands, Lymph, Monos, Eos, Baso)	EDTA	Daily	1 day	Specify if Automated or Manual
Fibrinogen	EDTA	Daily	1 day	
Foal Profile (CBC, TP, IgG)	EDTA	Daily	1 day	
Hemogram (WBC, RBC, Hgb, Hct, MCV, MCH, MCHC, Plt)	EDTA	Daily	1 day	
Platelet Count	EDTA	Daily	1 day	
<b>HORMONE ASSAYS</b>				
PMSG	Plain Red Top	see comments	1-7 days	Volume Dependent (‡)
Progesterone (Pd)	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	Mare's Colostrum in Plain Red Top <b>AND</b> Foal's blood in Plain Red Top	Daily	1 day	(‡)
NI Screen	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>MICROBIOLOGY</b>				
Abscess Culture	Purulent material submitted in Amies Clear or LQ Stuart's Culturette	Daily	3-5 days	Specify source
Anaerobe	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	Fluid submitted in Amies Clear or LQ Stuart's Culturette	Daily	3-5 days	Process immediately, keep at room temperature
C difficile Toxin (EliSa)	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	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
Dermatophyte (Skin)	Skin or hair follicles submitted in sterile container	Daily	5 days	Keep sample at room temperature until processed
Eye	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	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	Fecal specimen submitted in Port A Cult tube	Daily	3-5 days	Can submit specimen in sterile container or LQ Stuart Culturette if within 1 hour 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
Foal Diarrhea Panel (Salm, Cperf, Cdfff, Rota, Fec aer, Fec Ana, Fec Cyt)	Fresh fecal specimen submitted in sterile container or 6 swabs submitted in LQ Stuart's culturette	Daily	3-5 days	Refrigerate if delay in processing sample
Nasal	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 Assay	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

TEST	SAMPLE TYPE	PERFORMED	TURNAROUND	COMMENTS/SPECIAL INSTRUCTIONS
<b>MICROBIOLOGY (CONT.)</b>				
Salmonella	Fecal specimen submitted in sterile container or fecal swab in LQ	Daily	2 - 4 days	
Skin	Skin or hair follicles submitted in sterile container	Daily	3 - 5 days	Keep sample at room temperature until processed
Stallion	Swab submitted in Amies Clear or LQ Stuart's Cuturette	Daily	2-5 days	Specify Site
Strep equi Screen	Specimen submitted in LQ Stuart's or Amies Clear Cuturette	Daily	3-5 days	Specify Site; refrigerate if delay in processing sample
Trans Tracheal Wash	Specimen submitted in LQ Stuart's or Amies Clear Cuturette	Daily	3-5 days	Can submit specimen in sterile container if processed within 2 hours of collection; refrigerate if delay in processing specimen
Urine	Urine submitted in Sterile Container	Daily	2-5 days	Refrigerate if delay in processing sample
Uterine	Swabs submitted in Amies Clear or LQ Stuarts Cuturette	Daily	2-5 days	Keep at room temperature
Uterine Flush	Fluid submitted in Amies Clear or LQ Stuart's	Daily	2-5 days	Keep at room temperature
Wound	Swab submitted in Amies Clear or LQ Stuart's	Daily	3-5 days	Specify site
<b>SEROLOGY</b>				
Coggins - AGID (Regular)	Plain Red Top	Daily	1-2 days	(‡)
Coggins - Elisa (2-hour)	Plain Red Top	Daily	2 hours	(‡)
Lawsonia Titer	Plain Red Top	see comments	1-7 days	T & F (Season); Volume Dependent (Off Season)(‡)

‡ DO NOT USE SERUM SEPARATOR TUBES

TEST	SAMPLE TYPE	PERFORMED	TURNAROUND	COMMENTS/SPECIAL INSTRUCTIONS
<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)
Environmental 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, nasopharyngeal swab, or transtracheal wash	M - F	1-3 days	(U)
Equine Influenzae qPCR	Nasal swab or wash, nasopharyngeal swab, or transtracheal wash	M - F	1-3 days	(U)
Equine rhinitis A qPCR	Nasal swab or wash, nasopharyngeal swab, or transtracheal wash	M - F	1-3 days	(U)
Equine rhinitis B qPCR	Nasal swab or wash, nasopharyngeal swab, transtracheal wash, or urine	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	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 or nasopharyngeal swab	M - F	1-3 days	(U)
<b>PCR (PANELS)</b>				
Adult Diarrhea qPCR Panel (Salm, C diff tox A/B, CPE, Lawsonia, PHF, FCV)	Feces or rectal swab	M - F	2-5 days	
EHV1 qPCR Panel	Nasal swab and EDTA whole blood	M - F	1-3 days	(U)
EHV1&4 qPCR Panel	Nasal swab or wash, nasopharyngeal swab, or transtracheal wash	M - F	1-3 days	(U)
Equine Rhinitis A&B qPCR	Nasal swab or wash, nasopharyngeal swab, 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	
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, nasopharyngeal swab, or transtracheal wash	M - F	1-3 days	(U)
Respiratory qPCR Panel Plus (EHV1, EHV4, EIV, S equi, ERAV, ERAB)	Nasal swab or wash, nasopharyngeal swab, 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 11am EST for same day turnaround time (5pm EST). Any sample failing quality control will require an additional 24 hours for retesting.