

TESTING SUMMARY



Hagyard-Davidson-McGee Since 1876

**Hagyard-Davidson-McGee
Associates, PLLC**

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CHEMISTRY				
Test	Performed	Turnaround	Sample	Comments/Special Instructions
Ammonia	Daily	1 day	1ml Li Hep plasma (green)	Submit within 30 min of collection; keep cool or on ice
Bile Acids	Daily	1 day	2 ml serum (red)	Protect from light, wrap in foil
Bilirubin Profile (<i>T Bili, D Bili, InD Bili</i>)	Daily	1 day	1 ml Li Hep plasma (green) or serum (red top)	Protect from light, wrap in foil
Blood Gases	Daily	1 day	1-2 cc heparinized blood in syringe (corked)	Lab needs sample ASAP; within 10 mins of collection
Cardiac Enzymes (<i>CPK, LDH, AST</i>)	Daily	1 day	1 ml Li Hep plasma (green) or serum (red top)	
Chem Profile (<i>Alk P, GGT, BUN, Cr, LDH, AST, CPK, Glu, Inor P, Alb, Ca, Na, K, Cl, CO2, T Bili</i>)	Daily	1 day	1 ml Li Hep plasma (green) or serum (red top)	
Direct Bilirubin	Daily	1 day	1 ml Li Hep plasma (green) or serum (red top)	
Electrolytes (Na, K, Cl, CO2, TP)	Daily	1 day	1 ml Li Hep plasma (green) or serum (red top)	
Glucose Tolerance	Daily	1 day	Series 1 ml Li Hep plasma (green) or 1 ml serum (red)	Specify collection times
IgG	Daily	1 day	1 ml Li Hep plasma (green) or serum (red top)/EDTA plasma (purple)	
Individual Chemistries	Daily	1 day	1 ml Li Hep plasma (green) or serum (red)	
Intracellular K+	Daily	1 day	7 ml heparinized whole blood (green)	Hemolyzed samples will be rejected
Ionized Calcium	Daily	1 day	7 ml heparinized whole blood (green)	
Lactate	Daily	1 day	7 ml heparinized whole blood (green)	Submit within 30 min of collection; keep cool or on ice
Liver Profile (<i>LDH, Alk P, GGT, AST, T Bili</i>)	Daily	1 day	1 ml Li Hep plasma (green) or serum (red)	
Magnesium	Daily	1 day	1 ml Li Hep plasma (green) or serum (red)	
Milk Electrolytes (<i>NA, K, Ca, Ionic Points</i>)	Daily	1 day	7 ml milk in sterile container	
Osmolality	Daily	1 day	1 ml Li Hep plasma (green) or serum (red)	
SDH	Daily	1 day	1 ml Li Hep plasma (green) or serum (red)	
Therapeutic Profile (<i>Hemagram, Lytes</i>)	Daily	1 day	1 ml Li Hep plasma (green) and 7 ml EDTA whole blood (purple)	
Triglycerides	Daily	1 day	1 ml Li Hep plasma (green) or serum (red)	
Urine Fractionation Panel (<i>Cr, GGT, Co2, K, Na, Cl</i>)	Daily	1 day	2 ml urine in sterile container	

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

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COAGULATION

Test	Performed	Turnaround	Sample	Comments/Special Instrustions
AT3	Season-Daily until 2pm; Nonseason-M-F until 2pm S- S until 10am	1 day	1 ml Na Citrate plasma (blue)	Submit within 30 min of collection; keep cool or on ice; Notify lab within two hours of collection
FDP	Daily	1 day	1 ml Na Citrate plasma (blue)	
PT	Daily	1 day	1 ml Na Citrate plasma (blue)	Submit within 30 min of collection; keep cool or on ice

CYTOLOGY

Fluid Cytology	Daily	1-2 days	1-2 ml fluid in EDTA (purple); pre prepared slide	Specify source
Uterine Cytology	Daily	1-2 days	uterine swab; pre prepared slide	
Uterine Flush Cytology	Daily	1-2 days	Uterine flush	

HEMATOLOGY

Body Fluid Analysis (wbc, RBC, TPP, cytology)	Daily	1-2 days	3 ml fluid in EDTA (purple)	Specify source
CBC (w/ platelet)	Daily	1 day	7 ml EDTA whole blood (purple)	
CSF Analysis (includes cytology (WBC/RBC when indicated) and Glu, LDH, CK, Microprotein)	Daily	1-2 days	3 ml CSF in EDTA (purple) and 3 ml CSF in plain red top	
Differential	Daily	1 day	7 ml EDTA whole blood (purple)	
Fibrinogen	Daily	1 day	7 ml EDTA whole blood (purple)	
Foal Profile (CBC, TP, IgG)	Daily	1 day	7 ml EDTA whole blood (purple)	
Hemogram	Daily	1 day	7 ml EDTA whole blood (purple)	
Manual Differential	Daily	1 day	7 ml EDTA whole blood (purple)	
Total Plasma Protein	Weekly	1 day	1 ml EDTA plasma (purple)	
Urinalysis	Daily	1 day	10 ml urine in sterile container	

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HORMONAL ASSAY

Test	Performed	Turnaround	Sample	Comments/Special Instructions
PMSG	as needed	1-7 days	1 ml serum (red)	Do Not use serum separator tubes.
Progesterone	M-F Cutoff 1pm (season)	1-7 days	1 ml serum (red)	Do NOT use serum separator tubes; during the off season, run on Wednesday, call if needed ASAP
T4	as needed	1-7 days	1 ml serum (red)	Do Not use serum separator tubes

IMMUNOHEMATOLOGY

Colostrum IgG	Daily	1 day	5-7 ml colostrum in sterile container	
Coombs	Daily	1 day	7 ml EDTA whole blood (purple)	Notify lab prior to collection; Hemolyzed specimens rejected
Jaundice Foal Agglutination	Daily	1 day	7 ml colostrum in sterile container AND 7 ml Foal's Blood in red top	Do NOT use serum separator tubes.
NI Screen	Season- M-F, cutoff 11am	1-3 days	2 ml serum (red)	Collect within two weeks of mare foaling; Do NOT use serum separator tubes; Available weekends for additional \$60 charge; Hemolyzed specimens rejected
Transfusion Crossmatch	Daily	1 day	7 ml each recipient and donor blood in plain red top	Notify lab prior to collection; Hemolyzed specimens rejected; Do NOT use serum separator tubes

MICROBIOLOGY

Test	Performed	Turnaround	Sample	Comments/Special Instructions
Abscess	Daily	3-5 days	Purulent material submitted in sterile container, Clear Amies Media, or LQ Stuart's Media	Specify source; submit within 2 hours of collection; if delay, please refrigerate
Anaerobe	Daily	3-5 days	Specimen submitted in sterile container, Clear Amies Media, or Port A Cult Tube	Specify source; submit sample within 1 hour of collection if in sterile container or Clear Amies Media; If sample cannot be submitted within 1 hour of collection, use Port a Cult tube; ID only, no sensitivities performed
Blood Culture	Daily	4-5 days	5 - 10 mls of venous blood using sterile techniques injected into Blood Culture Bottle.	
Clostridium difficile Toxin	Daily	1 day	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's Media	Submit sample within 2 hours of collection; Refrigerate specimens held longer than 2 hours post collection; specimen can be refrigerated @ 2- 4 C for up to 72 hours
Clostridium perfringen Enterotoxin	Daily, Cutoff time 10 am	1-2 days	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's Media	Submit specimen within 1/2 hour of collection, and verbally notify lab personnel when submitting specimen
Dermatophyte	Daily	5 days	Piece of skin	Keep sample at room temperature until processed
Eye	Daily	3-5 days	Swab submitted in Amies Clear Media or LQ Stuart's Media	Submit specimen within 2 hours of collection; refrigerate if delay.
Fecal Aerobe	Daily	2-5 days	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's Media	Submit sample within 2 hours of collection; if delay in processing refrigerate specimen
Fecal Anaerobe or Clostridium perfringens	Daily	3-5 days	Fecal specimen submitted in sterile container, Clear Amies Media, or Port A Cult Tube	Submit sample within 1 hour of collection if in sterile container or Clear Amies Media; Use Port a Cult tube if >1 hour sample of submission; ID only, no sensitivities performed
Fecal Egg Counts	Daily	1-2 days	2 tbspc fecal material in sterile container	Use plastic specimen cups from Pharmacy

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Test	Performed	Turnaround	Sample	Comments/Special Instructions
Fecal Occult Blood	Daily	1 day	Fresh fecal specimen submitted in sterile container	Minimum ample amount should be about the size of a quarter
Foal Diarrhea Panel <small>(Rotavirus, C.diff Toxin, Fecal Aerobe, Fecal Anaerobe, Salmonella, Cytology)</small>	Daily	3-5 days	Fresh fecal specimen submitted in sterile container or 6 swabs submitted in LQ Stuart's Media	Submit specimen within 1 hour of collection
Fungal	See comments			Fungal cultures are not performed due to the biohazard's of isolating them, however if a fungus is isolated it will be noted on the report.
Nasal	Daily	3-5 days	Nasal flush or nasal swab submitted in Amies Clear Media, or LQ Stuart's Media	Note whether for " Strept Equi Screen " or " Nasal For Everything "
Rotavirus	Daily	1 day	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's Media	Submit sample within 2 hours of collection; if delay in processing refrigerate specimen
Salmonella	Daily	3-5 days	Fecal specimen submitted in sterile container or fecal swab in LQ Stuart's Media or Amies Clear Media	Submit sample within 2 hours of collection; if delay in processing refrigerate specimen
Stallion Culture	Daily	2-5 days	Swab submitted in Amies Clear Media or LQ Stuart's Media	Specify site; ie. Prepuce, urethra, fossa
Sterile Body Fluid	Daily	3-5 days	Fluid submitted in sterile container, Clear Amies Media, or LQ Stuart's Media	Keep sample at room temperature until processed
Strept equi Screen	Daily	2-5 days	Specimen submitted in sterile container, Clear Amies Media, or LQ Stuart's Media	Specify site; Submit sample within 2 hours of collection; if delay in processing refrigerate specimen
Trans Tracheal Wash (TTW)	Daily	3-5 days	Specimen submitted in sterile container, Clear Amies Media, or LQ Stuart's Media	Submit sample within 2 hours of collection; if delay in processing refrigerate specimen
Urine	Daily	2-5 days	Specimen submitted in sterile container	If overnighting, please put specimen on ice
Uterine	Daily	2-5 days	Swab submitted in Amies Clear Media or LQ Stuart's Media	Submit sample within 2 hours of collection; if delay in processing refrigerate specimen
Wound	Daily	3-5 days	Swab submitted in Amies Clear Media or LQ Stuart's Media	Submit sample within 2 hours of collection; if delay in processing refrigerate specimen

SEROLOGY

AGID Coggins	Daily	2 days	1 ml serum (red)	Season-Set up @ 3 pm and available following day @ 4 pm; Off season-Set up M-F @ 3pm, available following day @ 4:00pm, Sat-Sun set up @ 10AM, Fri & Sat Coggins available Sun 11am and those submitted Sat available Mon @ 11am due to shortened operating hours
ELISA Coggins	Daily	1-2 days	1 ml serum (red)	For ELISA's needed ASAP please call in advance so lab personnel can prep reagent
Lawsonia Titer	M-W-F Cutoff 10 am	1-3 days	1 ml serum (red)	If overnighting, please put specimen on ice pack