



INTERNAL MEDICINE

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Friday, June 01, 2018

Dear Elizabeth,

Below are the requested lab results (complete blood count, serum chemistry profile, urinalysis, and urine culture). As discussed, the main concern on labwork is Gizmo's anemia (low Hct) and re-starting of his epogen has been recommended. Please have your primary veterinarian send us the record of Gizmo's bloodwork in 10-14 days.

Test Requested	Results	Adult Reference Range	Units
Complete Blood Count			
WBC	7.2	3.5-16.0	10 ³ /uL
RBC	4.6 (LOW)	5.92-9.93	10⁶/uL
HGB	6.7 (LOW)	9.3-15.9	g/dL
HCT	20 (LOW)	29-48	%
The hematocrit in this patient is <27. (Normal range 29-48). A recent study has indicated that >23% of anemic cats are infected with one or more species of hemoplasma and several studies confirm that PCR is significantly more sensitive in detecting hemoplasma. Antech now offers a Feline Hemoplasma (mycoplasma) PCR panel for detection of M. haemofelis, M. haemominutum and M. turicensis. To add this follow up test, please call customer service and request test code T985.			
MCV	43	37-61	fL
MCH	14.5	11-21	pg
MCHC	34	30-38	g/dL
Anisocytosis	Moderate		
Blood Parasites	None Seen		
Platelet Count	280	200-500	10 ³ /uL
Platelet Estimate	Adequate		
Neutrophils	6,336	88 2500-8500	/uL
Bands		0 0-3	
Lymphocytes	216 (LOW)	3 1200-8000	/uL
Monocytes	360	5 0-600	/uL
Eosinophils	288	4 0-1000	/uL
Basophils	0	0 0-150	/uL

Comment

Blood smear reviewed by technologist.

Test Requested	Results	Adult Reference Range	Units
Superchem			
Total Protein	7.7	5.2-8.8	g/dL
Albumin	4.1 (HIGH)	2.5-3.9	g/dL
Globulin	3.6	2.3-5.3	g/dL
A/G Ratio	1.1	0.35-1.5	
AST (SGOT)	15	10-100	IU/L
ALT (SGPT)	27	10-100	IU/L
Alk Phosphatase	24	6-102	IU/L
GGT	1	1-10	IU/L
Total Bilirubin	0.1	0.1-0.4	mg/dL
BUN	70 (HIGH)	14-36	mg/dL
Creatinine	3.0 (HIGH)	0.6-2.4	mg/dL
BUN/Creatinine Ratio	23	4-33	
Phosphorus	5.6	2.4-8.2	mg/dL
Glucose	259 (HIGH)	64-170	mg/dL

The glucose concentration in this cat is >170 mg/dl. A fructosamine level may be helpful in differentiating stress hyperglycemia from early or sub-clinical diabetes mellitus. If you would like to add on this test please call Customer Service. Please use test code 500016 for this additional testing.

Calcium	10.1	8.2-10.8	mg/dL
Magnesium	1.7	1.5-2.5	mEq/L
Sodium	146	145-158	mEq/L
Potassium	3.4	3.4-5.6	mEq/L
NA/K Ratio	43 (HIGH)	32-41	
Chloride	113	104-128	mEq/L
Cholesterol	413 (HIGH)	75-220	mg/dL
Triglyceride	300 (HIGH)	25-160	mg/dL
Amylase	1,166	100-1200	IU/L
PrecisionPSL	33 (HIGH)	8-26	U/L

PrecisionPSL elevations correlate closely with abnormal PLI concentrations. In cats with appropriate clinical signs, this PrecisionPSL is supportive of, but not definitive, for a diagnosis of pancreatitis. In cats without clinical signs of pancreatitis, a mild elevation is an insignificant finding.

CPK	47 (LOW)	56-529	IU/L
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Comment(s)

Hemolysis 1+ No significant interference.

Test Requested	Results	Adult Reference Range	Units
Urinalysis-Complete			
Collection Method			
Cystocentesis			
Color	RED		
Appearance	CLOUDY		
Specific Gravity	1.020	1.015-1.060	
pH	6.0	5.5-7.0	
Protein	2+ (HIGH)	NEGATIVE	
Urine protein:creatinine ratio testing is recommended (if the sediment is inactive) to help determine the clinical significance of proteinuria.			
Glucose-Strip	NEGATIVE	NEGATIVE	
Ketones	NEGATIVE	NEGATIVE	
Bilirubin	NEGATIVE	NEGATIVE	
Occult Blood	3+ (HIGH)	NEGATIVE	
WBC	2-3	0-3	HPF
RBC	>50 (HIGH)	0-3	HPF
Amorphous Crystals	4-10		HPF
Bacteria	NONE SEEN	None Seen	HPF
SQUAMOUS EPITHELIA	0-1	0-3	HPF

Urine MIC Culture

Test	Results
Collection Method	
SOURCE	URINE (cystocentesis)
Preliminary #1	05/31/2018
NO GROWTH ON SOLID MEDIA IN 24 HRS.	
Preliminary #2	06/01/2018
NO GROWTH ON SOLID MEDIA IN 48 HRS.	

Melody Chen, DVM