

Hemopet/Hemolife
 11330 Markon Dr
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Client # 20073
 Chart # N

separation anxiety; lacks focus

Accession No. HPBC00127421	Doctor COUNTY LINE AN HOSP	Owner BUZZELL/ WEPNER Brandon/ Erika	Pet Name TYLER	Received 04/12/2006
Species Canine	Breed Eurasier 89 lbs	Sex CM	Pet Age 2Yrs	Reported 04/19/2006 10:50 AM

Test Requested	Results	Reference Range	Units
T3 (RIA)			
T3 (RIA)	73	45-150	ng/dL
FREE T4 (RIA)			
Free T4 (RIA)	↓ 0.77	0.45-2.06	ng/dL
T4 (RIA)			
T4	↓↓ 1.03	1.0-4.0	µg/dL
T3 AUTOANTIBODIES			
T3 Autoantibodies	0.9	Less Than 2.0	
T4 AUTOANTIBODIES			
T4 Autoantibodies	0.8	Less Than 2.0	
FREE T3			
Free T3	2.4	1.7-5.3	pg/mL
COMPLETE BLOOD COUNT			
WBC	11.9	4.0-15.5	10 ³ /µL
RBC	5.7	4.8-9.3	10 ⁶ /µL
HGB	13.6	12.1-20.3	g/dL
HCT	52	36-60	%
RECHECKED BY MANUAL METHODS			
MCV	92 (HIGH) OK	58-79	fL
MCH	23.8	19-28	pg
MCHC	26 (LOW)	30-38	%
Comment			
MACROCYTOSIS +3	HYPOCHROMASIA +1	ANISOCYTOSIS +2	
Differential	Absolute	%	
Neutrophils	8449	71	2060-10600 /µL
Lymphocytes	2499	21	690-4500 /µL
Monocytes	357	3	0-840 /µL
Eosinophils	595	5	0-1200 /µL
Platelet Estimate	Adequate		
Platelet Count	338		170-400 10 ³ /µL
SUPERCHEM			
AST (SGOT)	33	15-66	IU/L
ALT (SGPT)	30	12-118	IU/L
Total Bilirubin	0.1	0.1-0.3	mg/dL
Alkaline Phosphatase	51	5-131	IU/L
GGT	3	1-12	IU/L
Total Protein	6.2	5.0-7.4	g/dL
Albumin	3.9	2.7-4.4	g/dL
Globulin	2.3	1.6-3.6	g/dL

Test Requested	Results	Reference Range	Units
AVG Ratio	1.7	0.8-2.0	
Cholesterol	197	92-324	mg/dL
BUN	18	6-26	mg/dL
Creatinine	1.0	0.5-1.6	mg/dL
BUN/Creatinine Ratio	18	4-27	
Phosphorus	3.8	2.5-6.0	mg/dL
Calcium	10.3	8.9-11.4	mg/dL
Glucose	97	70-138	mg/dL
Amylase	↑ 1135 (HIGH) GI issues	290-1125	IU/L
Lipase	↑ 812 (HIGH) " "	77-695	IU/L
Sodium	153	139-154	mEq/L
Potassium	4.3	3.6-5.5	mEq/L
Na/K Ratio	36	27-38	
Chloride	111	102-120	mEq/L
CPK	172	59-895	IU/L
Triglyceride	253	29-291	mg/dL
Osmolality, Calculated	318 (HIGH) OK	277-311	mOsm/kg
Magnesium	1.5	1.6-2.5	mEq/L

THYROGLOBULIN AUTOANTIBODIES
 Thyroglobulin Autoantibody **21%** **EQUIVOCAL**

----- TGAA CONFIRMATORY TEST INTERPRETATION -----
 This TGAA test was performed using the confirmatory NSB (non-specific binding) test method.
 < 10% = Negative; 10%-25% = Equivocal; > 25% = Positive
 Elevated TGAA levels confirm autoimmune thyroiditis. False positive results can occur if the dog has been vaccinated within 30 to 40 days. Thyroid hormone supplementation can decrease TGAA levels.

TEST PERFORMED AT ANTECH'S NEW YORK LABORATORY 4/20/2006

Dear Colleague: TgAA result is equivocal, which likely means that he is in the early stages of autoimmune thyroiditis, and should start thyroxine therapy now. Jean

- Adult Optimal Levels** T4 2-4 ng/dl FT4 1-3 ng/dl T4AA < 2.0
 T3 50-150 ng/dl FT3 3-8 pg/ml T3AA < 2.0
- X Thyroid levels are below minimal expectations for a healthy performance adult (at least 1.5 ng/dl for T4 and 1.0 ng/dl for FT4).
 - X Thyroid levels are too low. Recommend 6-8 weeks of Soloxine® or equivalent product at 0.1mg per 12-15 lbs twice daily (e.g. 0.5 - 0.6 mg BID) is suggested, followed by retesting thyroid profile 4-6 hours post-pill to monitor response levels. **Dose at optimum weight.**
 - X Optimal therapeutic response levels should be in the upper 1/3 to 25% above the upper limits of the resting optimal ranges at 4-6 hours post-BID thyroid medication.

Jean Doads, DVM

cc: By Fax to Brandon Buzzell at 630-652-4754 THANK YOU for the DONATION !