



HEMOLIFE (Diagnostic Division of HEMOPET)

11561 Salinaz Avenue, Garden Grove, CA 92843

Tel: 714-891-2022; Fax: 714-891-2123

www.hemopet.org www.nutriscan.org E-Mail: info@hemopet.org

Status: FINAL REPORT

Notes: Lucas presented for toe dragging and increased difficulty walking (weakness), he responded well to acupuncture and chinese herbs, but then started hav...

Diet: Raw (Bravo)

Medication: BaWeiDiHuangWan + XiaoChaiHuJiaQin + Nutraceuticals (Joint Support Plus, Renal Canine, Biotin, EFAs), 1 Capsule Each Herb, BID

Accession No. HML84798	Doctor SARAH DAYON	Owner RENADETTE, SHEILA	Pet Name LUCAS	Received 02/10/16
Species Canine	Breed Aussie Mix	Sex MN	Pet Age 13 Yrs 53 lbs	Reported 02/11/16

Test Requested	Result	Case Specific	General Range	Units
T4	1.82	1.20 - 3.00	0.80 - 3.80	ug/dL
Free T4	1.18	0.70 - 1.75	0.55 - 2.32	ng/dL
T4/FT4 Ratio	1.54 See below		1.25 - 1.75	
T3	30.2	25 - 60	30.0 - 70.0	ng/dL
Free T3	2.00	1.6 - 3.5	1.60 - 3.50	pg/mL
Thyroglobulin Autoantibody (TgAA)	< 1 Negative	< 10	< 10	%
Platelet Count	↓ 114 OK, platelet clumping.		170 - 400	10 ³ /μL
Platelet Est	Adequate			
WBC	5.6		4.0 - 15.5	10 ³ /μL
RBC	7.2		4.8 - 9.3	10 ⁶ /μL
HGB	18.3		12.1 - 20.3	g/dL
HCT	57		36 - 60	%
MCV	78		58 - 79	fL
MCH	25.3		19 - 28	pg
MCHC	32		30 - 38	g/dL
Neutrophils	75			%
Absolute Neutrophils	4200		2060 - 10600	/μL
Lymphocytes	18			%
Absolute Lymphocytes	1008		690 - 4500	/μL
Monocytes	5			%
Absolute Monocytes	280		0 - 840	/μL
Eosinophils	2			%



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Test Requested	Result	Case Specific	General Range	Units
Absolute Eosinophils	112		0 - 1200	/μL
Basophils	0			%
Absolute Basophils	0		0 - 150	/μL
RBC Comment	- RBC Morphology Normal			
Comment	- Blood smear reviewed by technologist.			
Total Protein	7.2		5.0 - 7.4	g/dL
Albumin	3.8		2.7 - 4.4	g/dL
Globulin	3.4		1.6 - 3.6	g/dL
A/G Ratio	1.1		0.8 - 2.0	
AST (SGOT)	28		15 - 66	IU/L
ALT (SGPT)	77		12 - 118	IU/L
Alk Phosphatase	↑ 222	ok for age	5 - 131	IU/L
GGT	1		1 - 12	IU/L
Total Bilirubin	0.1		0.1 - 0.3	mg/dL
BUN	↑ 36		6 - 31	mg/dL
Creatinine	↑ 1.7	see below	0.5 - 1.6	mg/dL
BUN/Creatinine Ratio	21		4 - 27	
Phosphorus	4.9		2.5 - 6.0	mg/dL
Glucose	104		70 - 138	mg/dL
Calcium	↑ 11.5		8.9 - 11.4	mg/dL
Magnesium	2.1		1.5 - 2.5	mEq/L
Sodium	153		139 - 154	mEq/L
Potassium	↑ 5.9		3.6 - 5.5	mEq/L
Na/K Ratio	↓ 26		27 - 38	
Chloride	114		102 - 120	mEq/L
Cholesterol	310		92 - 324	mg/dL
Triglyceride	143		29 - 291	mg/dL
Amylase	549		290 - 1125	IU/L
CPK	85		59 - 895	IU/L
Bands	0			
PrecisionPSL	90	= Lipase	24 - 140	U/L

Dear Sarah and Sheila: Lucas's thyroid levels are normal here. Increased BUN, creatinine, and potassium are most likely due to renal dysfunction but may be normal for diet. Recommend UA. Recommend annual retesting. --Andrew Zuckerman DVM



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*T4/FT4 Ratios **at or below 1.25** generally, but not always, signify the presence of non-thyroidal illness (NTI), or, hypothyroidism + NTI. High T4/FT4 Ratios usually are not clinically relevant except in thyroxine overdose or thyroid-secreting tumors.

TGAA CONFIRMATORY TEST RANGES < 10% =**Negative**; 10%-25% =Equivocal;>25%= Positive

If positive (elevated), the TGAA level confirms autoimmune thyroiditis. False positive results can occur if the dog has been vaccinated for rabies within 30 to 40 days. Thyroid hormone supplementation can decrease TGAA levels. Performed using the preferred Non-Specific Binding (NSB) Method.

W Jean Daniels, DVM

HEMOLIFE assays and reports use patented non-RIA technology and interpretations. Thyroid 5™ is a trademark.