



**HEMOLIFE (Diagnostic Division of HEMOPET)**

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**Status:** FINAL REPORT  
**Notes:** Screening/previous HML107283

Accession No. <b>HML139503</b>	Doctor	Owner <b>FRATER, JULIE</b>	Pet Name GRETEL	Received 10/15/19
Species Canine	Breed Estrela Mountain Dog	Sex F	Pet Age 5 Yrs 8 Months 88 lbs	Reported 10/16/19

Test Requested	Result	Case Specific	General Range	Units
<b>T4</b>	1.61	1.40 - 3.40	0.80 - 3.80	ug/dL
<b>Free T4</b>	1.39	0.80 - 2.20	0.55 - 2.32	ng/dL
<b>T4/FT4 Ratio</b>	↓ 1.16 See below		1.25 - 1.75	
<b>T3</b>	61.7	30 - 70	30.0 - 70.0	ng/dL
<b>Free T3</b>	2.50	1.6 - 3.5	1.60 - 3.50	pg/mL
<b>Thyroglobulin Autoantibody (TgAA)</b>	6 Negative	< 10	< 10	%

Dear Colleague and Julie: Thyroid levels are normal here. Recommend annual retesting. Gary Richter, DVM

\*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 Doosels, DVM*

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