

**MICHIGAN STATE  
UNIVERSITY**

**DIAGNOSTIC CENTER  
FOR POPULATION AND  
ANIMAL HEALTH**

*Protecting Human and Animal Health*

Director: Dr. Thomas Mullaney  
4125 Beaumont Road  
Lansing, MI 48910-8104  
Phone: 517-353-1683  
Fax: 517-353-5096  
www.animalhealth.msu.edu

**REPORT OF LABORATORY EXAMINATION**

Client:	Owner:	
Animal Clinic Northview (41)	Martel, Richard	
34910 Center Ridge Road North Ridgeville, OH 44039	USA	
Rcvd Date: 5/11/2007 11:20:00 AM	Animal: STELLASPUP	MRN: 2923221
Admitted By: Hutchinson, Dr.	Species: Canine	Breed: Dog Mixed Breed
Ordered By: N/A	Age: 8 weeks	Gender: Male
Encounter: 00374063	Tag/Reg ID:	
CR#: GL	Other ID:	

***E n d o c r i n o l o g y***

**Endocrine Results**

Collected Date/Time (If Provided)	05/10/2007 11:20:00		
Procedure		Ref Range	Units
Total Thyroxine (TT4)	53	[15-67]	nmol/L
Total Triiodothyronine (TT3)	2.1	[1.0-2.5]	nmol/L
Free T4 by dialysis	<b>49 H</b>	[6-42]	pmol/L
Free Triiodothyronine (FT3)	4.6	[4.5-12.0]	pmol/L
T4 Autoantibody	5	[0-20]	%
T3 Autoantibody	2	[0-10]	%
Thyroid Stimulating Hormone	10	[0-37]	mU/L
Thyroglobulin Autoantibody *	3	[0-35]	%
Endocrinology Interpretation:	See Below		

05/10/2007 11:20:00 Endocrinology Interpretation

Circulating concentrations of thyroid hormones are generally normal and thyroid stimulating hormone is not elevated. The slight increase of free T4 is unlikely to be of clinical significance. The negative autoantibody results further decrease the likelihood of lymphocytic thyroiditis in the thyroid glands of this dog. The results of this profile do not offer support for a differential diagnosis of hypothyroidism.

Patricia A. Schenck, DVM PhD  
Assistant Professor  
Endocrinology Section Chief

5/10/2007 11:20:00 AM Thyroglobulin Autoantibody:

< 20% Negative  
20 - 35 % Inconclusive  
> 35% Positive

L = Low Result; H = High Result; @ = Critical Result; ^ = Corrected Result; \* = Interpretive Data; # = Result Footnote