



MICHIGAN STATE UNIVERSITY
**VETERINARY DIAGNOSTIC
LABORATORY**

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REPORT OF LABORATORY EXAMINATION

Client:

All Pets Hospital (50706)
1330 Second Avenue
Des Moines, IA 50314

Owner:

Frery, Kelley

Rcvd Date: 9/8/2023 10:11:00 AM
Admitted By: Schmidt, Dr.
Ordered By: Schmidt, Dr.
Encounter: 03583048
CR#: AP

Animal: LUXORKONZA
Species: Canine
Age: 23 months
Tag/Reg ID: Luxor Konza Buy One Get One
Other ID:

MRN: HP63497501
Breed: Borzoi
Gender: Male

Endocrinology

Endocrine History

Collected Date/Time (If Provided)	09/05/2023 10:12:00		
Procedure		Ref Range	Units
Sample temperature	62		DegF

Endocrine Results

Collected Date/Time (If Provided)	09/05/2023 10:12:00		
Procedure		Ref Range	Units
Free T4 by dialysis (RIA)	26	[6-42]	pmol/L
Thyroid Stimulating Hormone (CLIA) *	0.25	[0.00-0.58]	ng/mL
Thyroglobulin Autoantibody (ELISA) *	0		%
OFA Classification	See Below		
Total Thyroxine (T4) (CLIA) OFA *	31	[9-52]	nmol/L
Total Triiodothyronine (T3) (RIA) *	.9	[0.8-2.1]	nmol/L
T4 Autoantibody (RIA)	8	[0-20]	%
T3 Autoantibody (RIA)	4	[0-10]	%

09/05/2023 10:12:00 OFA Classification
OFA CLASSIFICATION = NORMAL

Sarah Jacob, DVM, PhD, DACVIM
Assistant Professor, Endocrinology

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

Print Date/Time: 9/15/2023 2:47 PM

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Admitted By: Schmidt, Dr.
Encounter: 03583048

Species: Canine
Animal: LUXORKONZA

MRN: HP63497501
Owner: Frary, Kelley

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

Endocrine Results

9/5/2023 10:12:00 AM Thyroid Stimulating Hormone (CLIA):

The Endocrine Section at DCPAH has adopted a chemiluminescent immunometric assay for measurement of canine TSH (Immulite 2000 XPi). This assay has been used in many clinical studies in dogs and cats. With this change, we will now be reporting results in ng/mL, the commonly used units for this assay.

9/5/2023 10:12:00 AM Thyroglobulin Autoantibody (ELISA):

< 10% Negative
10 - 25 % Inconclusive
> 25% Positive

9/5/2023 10:12:00 AM Total Thyroxine (T4) (CLIA) OFA:

Canine and feline total T4 methodology: Total T4 is now measured in canine and feline sera using a commercially available automated chemiluminescent assay (Immulite 2000xpi assay L2KCT2). The assay is used by a number of laboratories for companion animals. Within our laboratory, total T4 as measured by a previously validated radioimmunoassay method and the Immulite 2000xpi in 160 canine and 154 feline samples gave results that were highly correlated ($r > 0.938$). We will continue to measure total T4 in other species with the previous radioimmunoassay.

9/5/2023 10:12:00 AM Total Triiodothyronine (T3) (RIA):

The MSU VDL's thyroid testing will no longer include measurement of free T3. Endocrinology laboratory will continue to assess T3, the active form of thyroid hormone, as total T3.

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