

# AUBURN ENDOCRINE DIAGNOSTIC SERVICE

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## NORMAL VALUES FOR ENDOCRINOLOGY

TEST	DOG	CAT	HORSE
Thyroid T4 (nmol/L)	20 - 55 (12-19; Borderline)	10 - 25 Normal 26 - 50 Suspect > 50 Elevated	10 - 50
Free T4 by Equilibrium Dialysis (pmol/L)	15 - 45 (10-14; Borderline)	10 - 48	*
Post-Pill T4 (nmol/L)	30 - 60	30 - 60	20 - 50
Canine TSH (ng/ml)	< 0.5	< 0.3	
Thyroglobulin Autoantibody	Positive, Negative, or Inconclusive		
Adrenal (Cortisol in nmol/L) Baseline (Pre-ACTH or Pre-Dexamethasone)	20 - 160	15 - 110	80 - 170
Post-Dexamethasone	< 30	< 35	< 30
Post-ACTH	220 - 560	210 - 330	220 - 410
Fructosamine (µmol/L)	200 - 375	190 - 365	
Progesterone (ng/ml)			Variable, depends on stage of pregnancy
Endogenous ACTH (pg/ml)	10 - 80		< 35

\* Contact lab before submitting

## CONVERSIONS

T4 in nmol/L divided by 12.87 = T4 in µg/dl
T4 in µg/dl x 12.87 = T4 in nmol/L
Free T4 in pmol/L ÷ by 12.87 = Free T4 in ng/dL
Free T4 in ng/dL X 12.87 = Free T4 in pmol/L
Cortisol in nmol/L divided by 27.59 = cortisol in µg/dl.
Cortisol in µg/dl x 27.59 = cortisol in nmol/L.
ACTH in pg/ml divided by 4.51 = ACTH in nmol/L
ACTH in nmol/L x 4.51 = ACTH in pg/ml
1 µg/dL = 10 ng/ml
1 µg/dL = 1 µg/100ml