

# REFERENCE RANGES

## Dog, Cat, Horse

### ENDOCRINOLOGY

	Unit	Dog	Cat	Horse
ACTH	pg/ml	6 – 58	< 110	<b>mid Nov. – mid July:</b> negative: < 30 borderline: 30-50 positive: > 50 <b>mid July – mid Nov.:</b> negative: < 50 borderline: 50 – 100 positive: > 100
Anti-Müllerian Hormone	ng/ml	M-neutered: < 0.1 M-intact: > 2.0 F-neutered: < 0.02 F-intact: > 0.5	M-neutered: < 0.1 M-intact: > 4.8 F-neutered: < 0.1 F-intact: > 2.0	mare intact: < 4 mare/borderline: 4 – 7 mare with granulosa theca cell tumour: > 7 male neutered: < 0.1 male intact: > 2 male questionable: 0.1 – 2
Cortisol	ng/ml	5 – 65	3 – 50 (130)	30 – 70
Insulin	µU/ml	8 – 25	10 – 30	< 20.0***
Oestradiol	pg/ml	Prooestrus: 25 – 65 Oestrus: < 25 Anoestrus: < 30 Neutered: < 10 Male: < 15 Sertoli cell tumour: > 30	Interoestrus: < 20 Oestrus: 20 – 60 – – – –	prooestrus: 1.2 – 6.2 oestrus: 7.1 – 13.0 dioestrus: 3.7 – 5.0 – – –
Progesterone	ng/ml	Prooestrus: < 1.0 Oestrus: < 30 Ovulation *: 4.0 – 8.0 Anoestrus: < 1.0	pre ov.: < 1.0 post ov.: > 1.0 – –	Levels > 1.0 indicate luteal activity – – –
Testosterone	ng/ml	Male: 1.5 – 8.5 Female: < 0.4 M-neutered: < 0.5	Male: 2.5 – 7.0 – M-neutered: < 0.5	stallion: 1.0 – 5.0 gelding: < 0.04** mare: < 0.04**
TSH	ng/ml	< 0.6	–	–
TSH	µU/ml	–	> 0.04	–
T3	ng/dl	20 – 206	33 – 167	25 – 180
fT3	pmol/l	3.7 – 9.2	0.8 – 1.4	1.1 – 7.2
T4	µg/dl	1.3 – 4.5	0.9 – 2.9	1.3 – 4.1
fT4	pmol/l	7.7 – 47.6	6.4 – 33.3	9.0 – 44.9

\* Time of mating for female dogs: Optimum 24 to 48 hours, maximum 96 hours after ovulation

\*\* Testosterone gelding: No increase in levels to the standard range after HCG stimulation.

Testosterone mare: Increased levels indicate a granulosa theca cell tumour.

\*\*\* The reference value was test-specifically adapted according to the latest literature.