

Colorado State University

Veterinary Diagnostic Laboratories

Fort Collins - Rocky Ford – Western Slope

IMPORTANT: Time required for testing, as shown in the test schedule below, is only an estimate. We make every effort to adhere to these schedules, however, unexpected sample volumes, poor sample quality, equipment failure of other factors beyond our control may impact our ability to meet these timelines. Always collect and submit samples well in advance of YOUR deadline to provide us with ample time should problems arise.

ENDOCRINOLOGY

TESTS	SUBMISSION	CONTAINER	COOLANT	DEAD-LINE	TIME REQUIRED	SPECIAL COMMENTS
ENDOCRINOLOGY-ADRENAL						
ACTH Stimulation 1) Pre 2) Post (ACTH “stim”) *Cats will have two posts.	1) 1 ml serum (200 ul min.) 2) 1 ml serum drawn one hour post (200 ul min.)	1) RTT 2) RTT	1) Refrigerate 2) Refrigerate	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day.	Hypoadrenocorticism = Addison’s disease Hyperadrenocorticism = Cushing’s disease Stat ok if critical (pending surgery)
Low Dose/High Dose Dexamethasone 1) 0 hour 2) 3 hour 3) 8 hour	1) 1 ml serum (200 ul min.) 2) 1 ml serum (200 ul min.) 3) 1 ml serum (200 ul min.)	1) RTT 2) RTT 3) RTT	1) Refrigerate 2) Refrigerate 3) Refrigerate	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day.	Equine/Canine
Endogenous (e) ACTH Endogenous = normal blood levels	1 ml plasma - Collect in purple top tube, spin within 1/2 hour. Pull off plasma and freeze at -20C immediately in plastic tube. Sample must remain frozen.	Plastic tube	Freeze	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day.	STAT ok if critical (pending surgery). Contact lab. May be run on equine and canine. Ship on dry ice.
ENDOCRINOLOGY-THYROID						
Endogenous (E) TSH	1 ml serum (200 µl min.)	RTT	Refrigerate	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day.	<u>Canine only.</u> Replaces pre and post T4.
Total T4	1 ml serum (200 µl min.)	RTT	Refrigerate	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day.	Hypothyroidism - usually only in dogs. Hyperthyroidism - usually only in cats. T4 is bound to protein. If only one test is run, total T4 is recommended. May be run on equine, canine and feline. No stat available.

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Thyroid Panel T4, (e) TSH, TGAA ELISA	1 ml serum (200 µl min.)	RTT	Refrigerate	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day. TGAA ELISA read out by 5:00 p.m. Wednesday.	
Insulin	½ ml serum	RTT	Refrigerate	In by 8:00 a.m. M-F	Read out by 4:00 p.m. same day.	Collect sample in a red top tube, pull off sera, store sera in refrigerator. Can be run on equine, feline and canine. Normal for feline and canine only.

*We do not accept gel barrier tubes (separator tubes) due to the possibility of erroneous results.

