Dynamic Test Protocols – Canine

ACTH Stimulation Test
For the diagnosis of Hyperadrenocorticism (Cushing’s Disease) and Hypoadrenocorticism (Addison’s Disease). Test of choice for the assessment of: adrenocortical reserve in dogs on treatment of hyperadrenocorticism (e.g. undergoing Vetoryl® therapy) diagnosis of idiopathic hyperadrenocorticism diagnosis of hypoadrenocorticism

Collect baseline blood sample (1 – 2 ml blood in plain/gel tube).

Inject 0.5 mg (half of a 1 mg/ml vial) Synacthen Depot INTRAMUSCULARLY for patients weighing less than 15 kg

Inject 1 mg (1 vial) Synacthen Depot INTRAMUSCULARLY for patients weighing more than 15 kg

60 minutes post injection – collect the second sample as above.

Corisol is measured in each sample (corisol x 2). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

The TSH we supply is reconstituted recombinant human TSH (rTSH) which is an approved medical product whose use has been validated in dogs. Since IDEXX is not a licensed pharmacy, the reagent is supplied on a named patient basis and must be used as part of a diagnostic test run by IDEXX Laboratories. The cost of the reagent therefore includes T, assay on the basal and post injection samples. One vial of TSH contains 75μg of reconstituted rTSH.

Recent scientific literature indicate that in dogs over 29 kg body weight the use of 150μg rTSH results in a better stimulation and improves the differentiation between primary hypothyroidism and non-thyroidal disease. Please contact our Customer Support team for more detailed written instructions.

Collect baseline blood sample (1 – 2 ml blood in plain/gel tube).

Inject the contents of one or two vials of rTSH intravenously using normal aseptic technique. 4 – 6 hrs post injection – collect the second sample as above.

T is measured in each sample (T x 2).

Ovarian Remnant Detection – GnRH Stimulation Test
Test protocol to confirm the presence of functioning ovarian tissue in bitches showing signs of oestrus.

Inject 44 μg/kg hCG (Charonel, Intravet) intramuscularly during behavioural oestrus.

2 weeks later collect blood sample (2 ml blood in plain/gel tube).

Progesterone is measured in post hCG sample (Progesterone x 1). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Bile Acid Stimulation Test
To evaluate hepatic function. Diagnostic test for Feline and canine hepatobiliary diseases and portosystemic vascular anomalies

Fast the animal for 12 hours.

Take a baseline blood sample (1 – 2 ml blood in plain/gel tube).

Administer regular meal of dog or cat food (anorexic animals should be force fed).

2 hours after eating – collect the second sample as above.

Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Dexamethasone Suppression Test
A single high dose dexamethasone suppression test is recommended as a diagnostic test for Hyperadrenocorticism in the cat. Results of this test should never constitute the sole evidence for the presence of this disease in cats.

Collect baseline blood sample (1 – 2 ml blood in plain/gel tube).

Inject 0.5 mg (0.5 of a 1 mg/ml vial) Synacthen Depot INTRAMUSCULARLY.

60 minutes post injection – collect the second sample as above.

8 hrs post injection – collect the third sample as above.

Testosterone is measured in each sample (testosterone x 2). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Intramuscularly during behavioural oestrus.

2 weeks later collect blood sample (2 ml blood in plain/gel tube).

Progesterone is measured in post hCG sample (Progesterone x 1). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Ovarian Remnant Detection – GnRH Stimulation Test
Test protocol to confirm the presence of functioning ovarian tissue in queens showing signs of oestrus.

No baseline sample is required for this test.

Inject 300 IU hCG (Charonel, Intravet) intramuscularly during behavioural oestrus.

2 weeks later collect blood sample (2 ml blood in plain/gel tube).

Progesterone is measured in post hCG sample (Progesterone x 1). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Ovarian Remnant Detection
For the diagnosis of Hyperadrenocorticism (Cushing’s Disease) and Hypoadrenocorticism (Addison’s Disease) ACTH produces a lower peak cortisol value and elevates more transiently in cats than in dogs.

Note: ACTH is not licensed for use in the cat.

Collect baseline blood sample (1 – 2 ml blood in plain/gel tube).

Inject 0.5 mg (0.5 of a 1 mg/ml vial) Synacthen Depot INTRAMUSCULARLY.

60 minutes post injection – collect the second sample as above.

90 minutes post injection – collect the third sample as above.

Corisol is measured in all samples (corisol x 3). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Canine RIG Test (Cryptorchidism)
This test has been shown to be an aid to the diagnosis of cryptorchidism in dogs, cats and horses. Collect baseline blood sample (2 ml blood in plain/gel tube).

Inject 200 – 500 IU/Dog hCG (Charonel, Intravet) intravenously.

60 minutes post injection collect the second blood sample as above.

Testosterone is measured in each sample (testosterone x 2). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

3 hrs post injection – collect the second sample as above.

Oestradiol is measured in each sample (oestradiol x 2). Please refer to 2015 Directory of Products and Services for price, turnaround time and test code.

Inject one vial (250 μg) Synacthen, intravenously or intramuscularly (regardless of bodyweight).

60 minutes post injection – collect the second sample as above.

Canine RIG Test
A single high dose dexamethasone supression test is recommended as a diagnostic test for Hyperadrenocorticism in the cat. Results of this test should never constitute the sole evidence for the presence of this disease in cats.

Collect baseline blood sample (1 – 2 ml blood in plain/gel tube).

Inject 0.5 mg (0.5 of a 1 mg/ml vial) Synacthen Depot INTRAMUSCULARLY.

4 hrs post injection – collect the second sample as above.

8 hrs post injection – collect the third sample as above.

Expert assistance is just a phone call away.
Free Phone Number: 08000 1234 3399