

ACTH Stimulation for Dogs

Drug	Synthetic ACTH (Cortrosyn (Cosyntropin for injection))	Synthetic ACTH (Synacthen Depot (Cosyntropin-Zinc Hydroxide))	ACTH gel (Bexco (Corticotropin injection, USP))
Formulation	0.25 mg/vial reconstituted with 1 mL sterile saline, 0.25 mg = 250 µg = 25 U	1 mg/vial, 1 mL bottle	40 U/mL, 5 mL bottle
Dose	250 µg (1 vial)/dog regardless of body weight or (Cost-effective lower dose of 5 µg/kg to a maximum of 250 µg/dog)	body weight <15 kg - 0.25 mg/dog body weight >15 kg - 0.5 mg/dog	2.2 U/kg of body weight
Administration	intravenously	intramuscularly	intramuscularly
Collection	Pre and 1 hour post	Pre and 2 hour post	Pre and 2 hours post

ACTH Stimulation for Cats

Drug	Synthetic ACTH (Cortrosyn (Cosyntropin for injection))	Synthetic ACTH (Synacthen Depot (Cosyntropin-Zinc Hydroxide))	ACTH gel (Bexco (Corticotropin injection, USP))
Formulation	0.25 mg/vial reconstituted with 1 mL sterile saline, 0.25 mg = 250 µg = 25 U	No established protocol	40 U/mL, 5 mL bottle
Dose	125 µg (½ vial)/cat regardless of body weight		2.2 U/kg of body weight
Administration	intravenously		intramuscularly
Collection	Pre, 30 min. and 1 hour post		Pre, 1 and 2 hours post