



Canine Testosterone (T) ELISA Kit

Product Code	CSB-E06893c			
Abbreviation	T			
Protein Biological Process 1	Sex hormone			
Target Name	Testosterone (T)			
Alias	N/A			
Product Type	ELISA Kit			
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)			
Sample Types	serum, plasma, tissue homogenates			
Detection Range	0.1 ng/mL-20 ng/mL			
Sensitivity	0.05 ng/mL			
Assay Time	1-5h			
Sample Volume	50-100ul			
Detection Wavelength	450 nm			
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.			
Research Area	Signal Transduction			
Tag Info	quantitative			
Protein Description	Competitive			
Description	<p>This Dog Testosterone (T) ELISA Kit was designed for the quantitative measurement of Dog Testosterone (T) protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.1 ng/mL-20 ng/mL and the sensitivity is 0.05 ng/mL .</p>			
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<15% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<15% Three samples of known concentration were tested in twenty assays to assess.</p>			
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of canine testosterone in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr></table>	?	Sample	Serum(n=4)
?	Sample	Serum(n=4)		



1:1	Average %	91
	Range %	86-97
1:2	Average %	97
	Range %	92-103
1:4	Average %	85
	Range %	81-89
1:8	Average %	89
	Range %	83-95

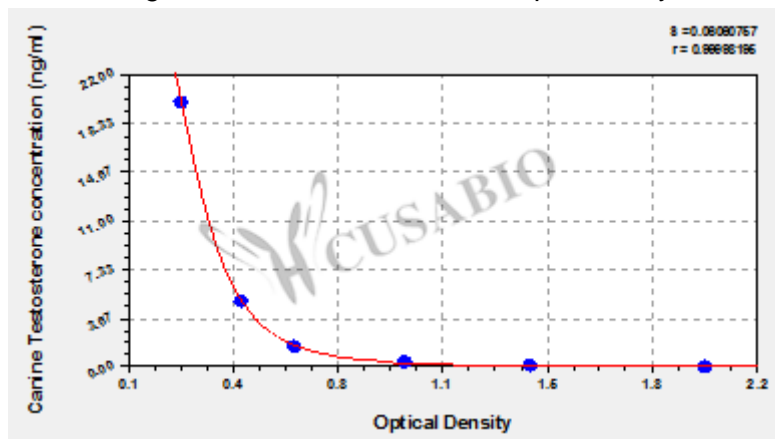
Recovery

The recovery of canine testosterone spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	91	87-95
EDTA plasma (n=4)	87	82-93

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average
20	0.232	0.236	0.234
5	0.435	0.436	0.436
1.6	0.611	0.613	0.612
0.4	0.984	0.978	0.981
0.1	1.401	1.403	1.402
0	1.985	1.989	1.987