



Bovine Thyroid Stimulating Hormone(TSH) ELISA Kit

Product Code	CSB-E17548B		
Abbreviation	TSH		
Target Name	Thyroid Stimulating Hormone(TSH)		
Uniprot No.	P01223		
Alias	N/A		
Product Type	ELISA Kit		
Immunogen Species	Bos taurus (Bovine)		
Sample Types	serum, plasma, tissue homogenates		
Detection Range	0.9 uIU/mL-60 uIU/mL		
Sensitivity	0.225 μ IU/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		
Gene Names	TSHB		
Tag Info	quantitative		
Protein Description	Sandwich		
Description	This Bovine TSH ELISA Kit was designed for the quantitative measurement of Bovine TSH protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.9 uIU/mL-60 uIU/mL and the sensitivity is 0.225 μIU/mL.		
Product Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.		
Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of bovine TSH in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table> <tr> <td>Sample</td><td>Serum(n=4)</td></tr> </table>	Sample	Serum(n=4)
Sample	Serum(n=4)		



1:1	Average %	97
	Range %	92-101
1:2	Average %	88
	Range %	84-92
1:4	Average %	90
	Range %	85-98
1:8	Average %	92
	Range %	88-96

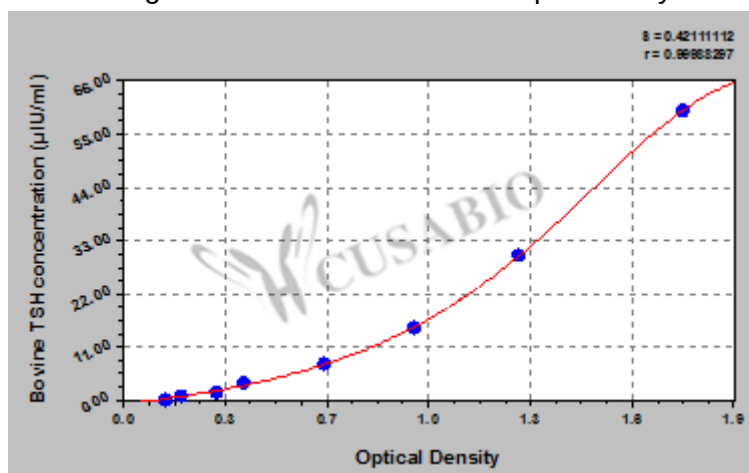
Recovery

The recovery of bovine TSH 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)	100	95-104
EDTA plasma (n=4)	84	80-88

Typical

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



μIU/ml	OD1	OD2	Average	Corrected
60	1.815	1.731	1.773	1.626
30	1.279	1.237	1.258	1.111
15	0.934	0.927	0.931	0.784
7.5	0.623	0.671	0.647	0.500
3.75	0.408	0.379	0.394	0.247
1.8	0.315	0.297	0.306	0.159
0.9	0.201	0.195	0.198	0.051
0	0.150	0.143	0.147	

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