



Pig free thyroxine (FT4) ELISA kit

Product Code	CSB-EQF027512PI									
Abbreviation	FT4									
Protein Biological Process 1	Thyroid function									
Target Name	free thyroxine (FT4)									
Product Type	ELISA Kit									
Immunogen Species	Sus scrofa (Pig)									
Sample Types	serum, plasma, cell culture supernates, tissue homogenates									
Detection Range	4 pmol/L-64 pmol/L									
Sensitivity	1.08 pmol/L									
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	Others									
Tag Info	quantitative									
Protein Description	Competitive									
Description	This Pig FT4 ELISA Kit was designed for the quantitative measurement of Pig FT4 protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Competitive ELISA kit, its detection range is 4 pmol/L-64 pmol/L and the sensitivity is 1.08 pmol/L.									
Product Precision	Intra-assay Precision (Precision within an assay): CV%<15% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV%<15% 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 pig FT4 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td>?</td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td>1:1</td><td>Average %</td><td>92</td></tr><tr><td></td><td>Range %</td><td>85-99</td></tr></table>	?	Sample	Serum(n=4)	1:1	Average %	92		Range %	85-99
?	Sample	Serum(n=4)								
1:1	Average %	92								
	Range %	85-99								



1:2	Average %	95
	Range %	87-106
1:4	Average %	96
	Range %	90-110
1:8	Average %	91
	Range %	86-98

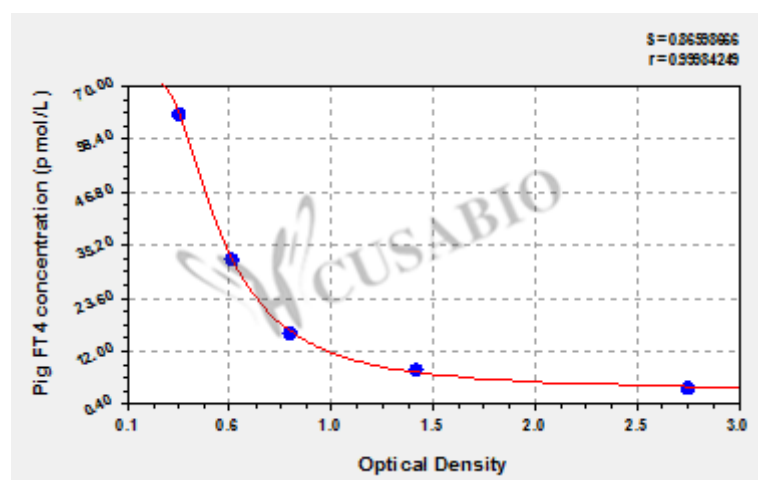
Recovery

The recovery of pig FT4 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)	97	93-103
EDTA plasma (n=4)	96	93-102

Typical

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



pmol/L	OD1	OD2	Average	?
4	2.771	2.736	2.754	?
8	1.459	1.442	1.451	?
16	0.827	0.865	0.846	?
32	0.575	0.565	0.570	?
64	0.318	0.307	0.313	?