



Pig C-Peptide ELISA Kit

Product Code	CSB-E15977p																						
Abbreviation	C-Peptide																						
Target Name	C-Peptide																						
Product Type	ELISA Kit																						
Immunogen Species	Sus scrofa (Pig)																						
Sample Types	serum, plasma, tissue homogenates																						
Detection Range	1.25 ng/mL-80 ng/mL																						
Sensitivity	0.312 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	Metabolism																						
Tag Info	quantitative																						
Protein Description	Sandwich																						
Description	This Pig C-Peptide ELISA Kit was designed for the quantitative measurement of Pig C-Peptide protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.25 ng/mL-80 ng/mL and the sensitivity is 0.312 ng/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 pig C-Peptide 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>94</td></tr> <tr> <td></td><td>Range %</td><td>88-98</td></tr> <tr> <td>1:2</td><td>Average %</td><td>96</td></tr> <tr> <td></td><td>Range %</td><td>91-102</td></tr> <tr> <td>1:4</td><td>Average %</td><td>103</td></tr> <tr> <td></td><td>Range %</td><td>97-107</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	94		Range %	88-98	1:2	Average %	96		Range %	91-102	1:4	Average %	103		Range %	97-107
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	Range %	91-102																					
1:4	Average %	103																					
	Range %	97-107																					



1:8	Average %	87
	Range %	81-93

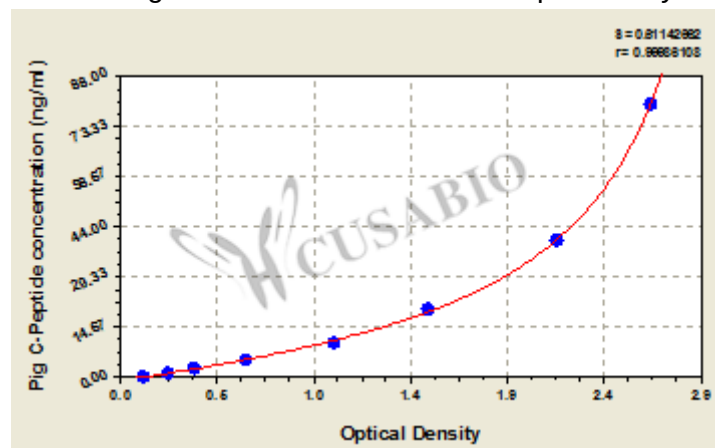
Recovery

The recovery of pig C-Peptide 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	93-104
EDTA plasma (n=4)	92	87-96

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	Corrected
80	2.663	2.562	2.613	2.487
40	2.093	2.214	2.154	2.028
20	1.510	1.531	1.521	1.395
10	1.043	1.074	1.059	0.933
5	0.634	0.623	0.629	0.503
2.5	0.381	0.370	0.376	0.250
1.25	0.248	0.244	0.246	0.120
0	0.127	0.125	0.126	?

Msds

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