



Pig Corticosterone, CORT ELISA Kit

Product Code	CSB-E06812p																								
Abbreviation	CORT																								
Target Name	Corticosterone, CORT																								
Alias	N/A																								
Product Type	ELISA Kit																								
Immunogen Species	Sus scrofa (Pig)																								
Sample Types	serum, plasma																								
Detection Range	0.5 ng/mL-20 ng/mL																								
Sensitivity	0.5 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																								
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 CORT 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 rowspan="2">1:1</td><td>Average %</td><td>84</td></tr> <tr> <td>Range %</td><td>80-88</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>92</td></tr> <tr> <td>Range %</td><td>88-96</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>96</td></tr> <tr> <td>Range %</td><td>98-100</td></tr> <tr> <td rowspan="2">1:8</td><td>Average %</td><td>90</td></tr> <tr> <td>Range %</td><td>85-94</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	84	Range %	80-88	1:2	Average %	92	Range %	88-96	1:4	Average %	96	Range %	98-100	1:8	Average %	90	Range %	85-94
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Recovery

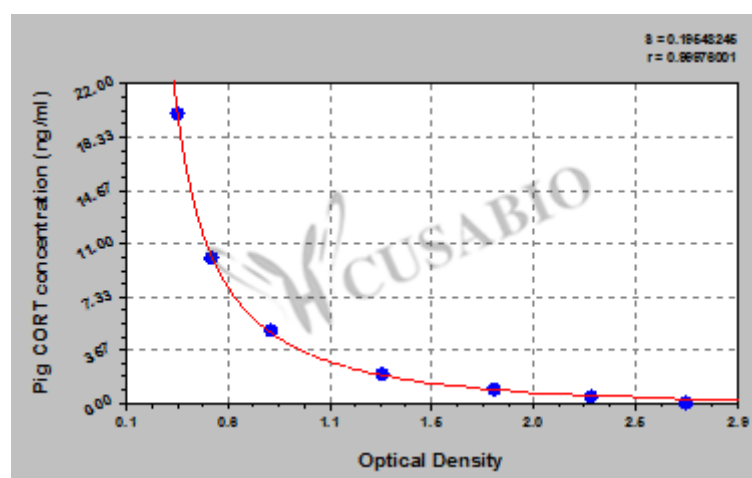


The recovery of pig CORT spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	89	84-93
EDTA plasma (n=4)	100	95-105

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	0.366	0.374	0.370
10	0.534	0.519	0.527
5	0.781	0.821	0.801
2	1.274	1.343	1.309
1	1.807	1.850	1.829
0.5	2.243	2.292	2.268
0	2.781	2.635	2.708