AAA15790

for research use only

PRECISION

Intra-assay Precision (Precision within an assay): CV%<15%

Three samples of known concentration were tested twenty times on one plate to assess.

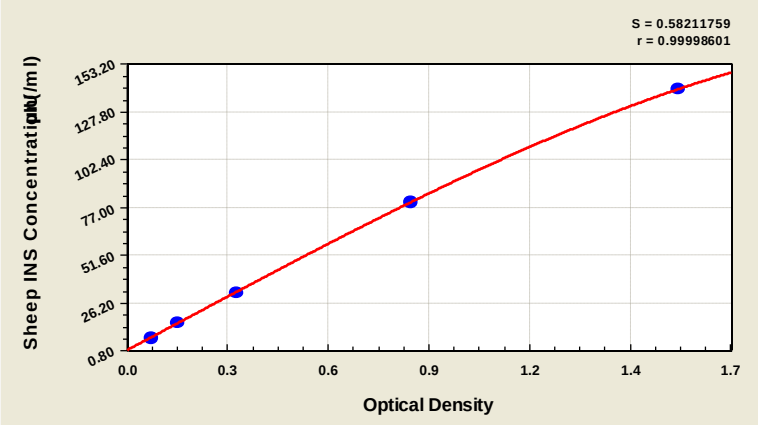
Inter-assay Precision (Precision between assays): CV%<15%

Three samples of known concentration were tested in twenty assays to assess.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(μIU/ml)	32.015	30.828	32.312	32.609	30.729	31.719
SD	0.017	0.019	0.020	0.025	0.019	0.022
CV(%)	5.327	6.108	6.323	7.594	6.317	6.854

TYPICAL DATA

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
140	1.580	1.578	1.579
80	0.790	0.844	0.817
32	0.302	0.336	0.319
16	0.150	0.152	0.151
8	0.080	0.076	0.078

LOD

6.274 μIU/ml

LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of Sheep Insulin (INS) in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum (n=4)
1:1	Average %	87
	Range %	80-95
1:2	Average %	95
	Range %	90-102
1:4	Average %	100
	Range %	95--106
1:8	Average %	97
	Range %	92-104