



### PRECISION

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

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

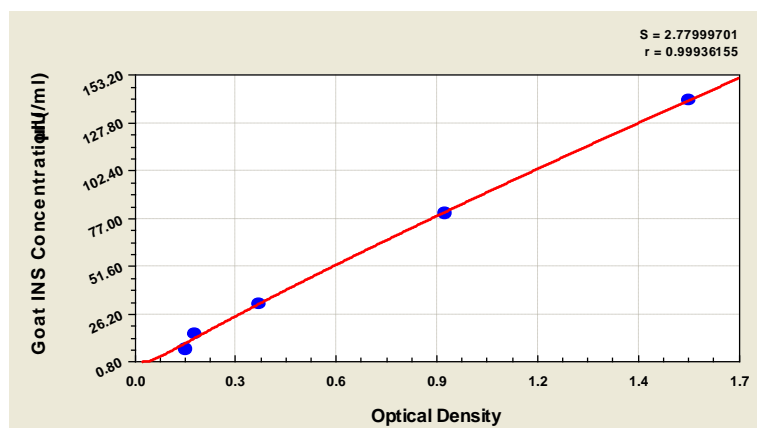
**Inter-assay Precision (Precision between assays): CV%<15%**

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( $\mu$ IU/ml)	33.770	32.486	30.447	30.913	31.656	32.302
SD	0.020	0.022	0.019	0.027	0.026	0.029
CV(%)	5.612	6.274	5.889	8.211	7.654	8.369

### TYPICAL DATA

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



$\mu$ IU/ml	OD1	OD2	Average
140	1.583	1.600	1.592
80	0.939	0.845	0.892
32	0.372	0.342	0.357
16	0.178	0.163	0.171
8	0.148	0.143	0.146

### LOD

7.296  $\mu$ IU/ml

### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of Goat 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 %	95
	Range %	90-101
1:2	Average %	90
	Range %	80-94
1:4	Average %	98
	Range %	90-105
1:8	Average %	90
	Range %	80-96