


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

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

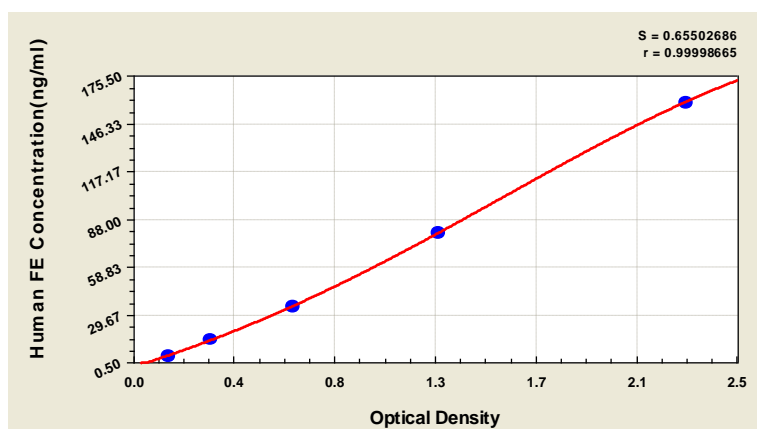
**Inter-assay Precision (Precision between assays): CV%<15%**

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

Sample	Intra-Assay Precision			Inter-Assay Precision		
	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(ng/ml)	35.270	34.206	35.537	34.870	35.738	36.140
SD	0.043	0.039	0.047	0.055	0.065	0.063
CV(%)	6.354	5.947	6.944	8.349	9.647	9.281

**TYPICAL DATA**

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
160	2.301	2.275	2.288
80	1.288	1.250	1.269
35	0.659	0.681	0.670
15	0.327	0.337	0.332
5	0.158	0.162	0.160

**LOD**

2.5 ng/ml

**LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of Human ferritin(FE) 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 %
	105
1:2	Range %
	96-110
1:4	Average %
	98
1:8	Range %
	95-101
1:16	Average %
	90
1:32	Range %
	84-95
1:64	Average %
	87
1:128	Range %
	85-93