

### **PRECISION**

**Intra-assay Precision (Precision within an assay): CV%<8%**

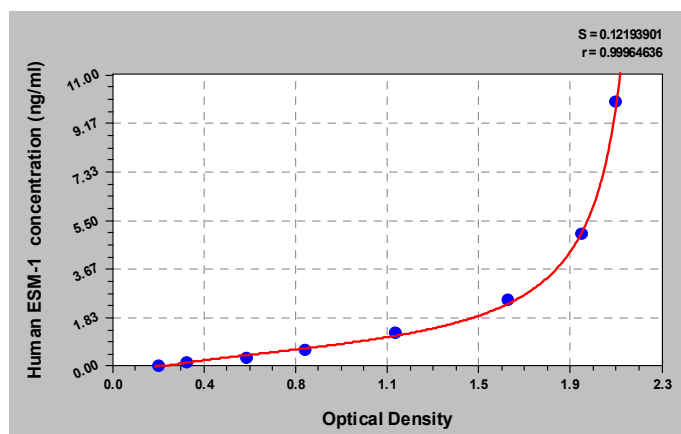
Three samples of known concentration were tested twenty times on one plate to assess.

**Inter-assay Precision (Precision between assays): CV%<10%**

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

### **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	Corrected
10	2.126	2.002	2.064	1.870
5	1.973	1.876	1.925	1.731
2.5	1.636	1.604	1.620	1.426
1.25	1.186	1.139	1.163	0.969
0.625	0.803	0.784	0.794	0.600
0.312	0.574	0.539	0.557	0.363
0.156	0.316	0.309	0.313	0.119
0	0.199	0.188	0.194	

### **LOD**

0.039ng/ml

**LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of human ESM-1 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 %	81-92
1:2	Average %	95
	Range %	91-105
1:4	Average %	93
	Range %	90-100
1:8	Average %	95
	Range %	85-98

**RECOVERY**

The recovery of human ESM-1 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)	87	80-98
EDTA plasma (n=4)	95	92-105