

## **PRECISION**

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

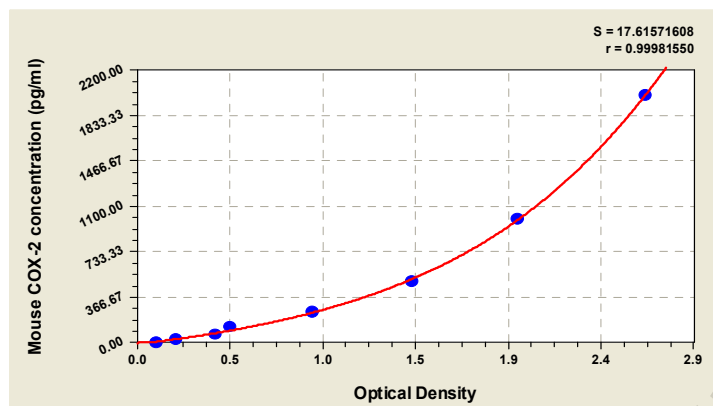
Three samples of known concentration were tested twenty times on one plate to assess.

**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.



pg/ml	OD1	OD2	Average	Corrected
2000	2.660	2.654	2.657	2.547
1000	2.107	2.046	1.994	1.884
500	1.494	1.385	1.440	1.330
250	0.932	0.911	0.922	0.812
125	0.502	0.489	0.496	0.386
62.5	0.403	0.398	0.415	0.305
31.25	0.223	0.207	0.215	0.105
0	0.114	0.106	0.110	

## **LOD**

7.8pg/ml

**LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of mouse COX-2 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 %	88
	Range %	80-92
1:2	Average %	98
	Range %	91-105
1:4	Average %	100
	Range %	92-110
1:8	Average %	93
	Range %	86-98

**RECOVERY**

The recovery of mouse COX-2 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)	96	89-98
EDTA plasma (n=4)	96	90-100