

## WUHAN HUAMEI BIOTECH CO., LTD.

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### **PRECISION**

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

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

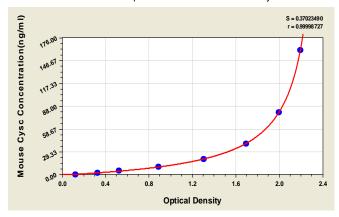
Inter-assay Precision (Precision between assays): CV%<10%

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

	Intra-Assay Pr	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3	
n	20	20	20	20	20	20	
Mean(ng/ml)	20.264	20.634	19.415	21.187	20.465	20.771	
SD	0.034	0.036	0.032	0.051	0.052	0.054	
CV(%)	2.543	2.671	2.441	3.739	3.872	3.994	

#### 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
0	0.133	0.136	0.135	
2.5	0.353	0.334	0.344	0.209
5	0.558	0.534	0.546	0.411
10	0.921	0.911	0.916	0.781
20	1.346	1.324	1.335	1.200
40	1.746	1.713	1.730	1.595
80	2.086	1.986	2.036	1.901
160	2.277	2.197	2.237	2.102

## **LOD**

0.819 ng/ml

# **LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of mouse Cys-C in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Mouse Serum(n=4)
1:100	Average %	84
1.100	Range %	80-96
1:200	Average %	87
1.200	Range %	82-101
1:400	Average %	90
1.400	Range %	85-105
1:800	Average %	94
1.000	Range %	89-112