

### **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.

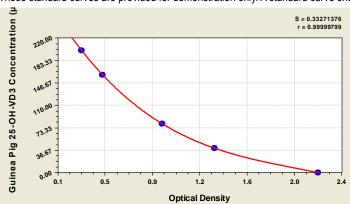
Inter-assay Precision (Precision between assays):CV%<10%

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

·	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(ug/l)	88.977	88.064	88.585	92.574	89.635	84.490
SD	0.039	0.044	0.041	0.063	0.043	0.061
CV(%)	4.475	5.102	4.714	7.485	4.953	6.804

### **TYPICAL DATA**

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



ug/l	OD1	OD2	Average
200	0.261	0.273	0.267
160	0.458	0.421	0.440
80	0.937	0.934	0.936
40	1.348	1.386	1.367
0	2.175	2.278	2.227

# **LOD**

15.161 µg/l

#### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of guinea pig 25-OH-VD3 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Guinea pig Serum(n=4)
1:5	Average %	95
1:5	Range %	82-105
1:10	Average %	89
1.10	Range %	82-109
1,20	Average %	98
1:20	Range %	89-116
1.40	Average %	96
1:40	Range %	83-108