

## 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.

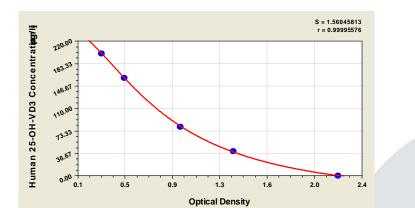
#### Inter-assay Precision (Precision between assays):CV%<10%

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)	112.687	111.506	112.180	117.334	113.537	107.532
SD	0.029	0.034	0.031	0.049	0.032	0.048
CV(%)	4.043	4.670	4.282	7.053	4.521	6.372

## 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	0.304	0.276	0.290
160	0.452	0.504	0.478
80	0.932	0.936	0.934
40	1.342	1.382	1.362
0	2.16	2.272	2.216

# LOD

15.161 µg/l

# **LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of human 25-OH-VD3 in various matrices and diluted with the Sample Diluent to

	Sample	Human Serum(n=4)	
1:40	Average %	93	
	Range %	83-101	
1.00	Average %	89	
1:80	Range %	82-104	
1.100	Average %	99	
1:160	Range %	90-110	
1.200	Average %	94	
1:320	Range %	88-108	

produce samples with values within the dynamic range of the assay.