

WUHAN HUAMEI BIOTECH CO., LTD.

Postal Address: Wuhan Hi-tech Medical Devices Park, Building B11, #818 Gaoxin Road, Donghu Hi-Tech Development Area, Wuhan, Hubei Province 430206, P.R. China

Website: www.cusabio.com www.cusabio.cn

Email: cusabio@cusabio.com Tel: +86-27-87582341

Fax: +86-27-87196150



PRECISION

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

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

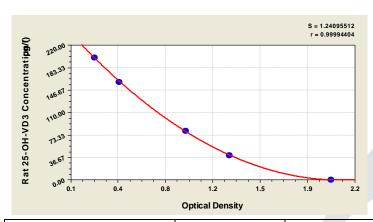
Inter-assay Precision (Precision between assays):CV%<10%

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)	81.802	80.842	81.390	85.559	82.492	77.592
SD	0.046	0.052	0.048	0.072	0.050	0.070
CV(%)	4.925	5.552	5.164	7.935	5.403	7.254

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	0.255	0.266	0.261
160	0.463	0.434	0.449
80	0.942	0.957	0.950
40	1.284	1.275	1.280
0	2.075	2.014	2.045

LOD

15.161 µg/l

LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of rat 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	Rat Serum(n=4)	
1:10	Average %	94	
1.10	Range %	89-107	
1:20	Average %	90	
1.20	Range %	81-107	
1:40	Average %	97	
1.40	Range %	84-115	
1:80	Average %	96	
1.00	Range %	86-106	