



PRECISION

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

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

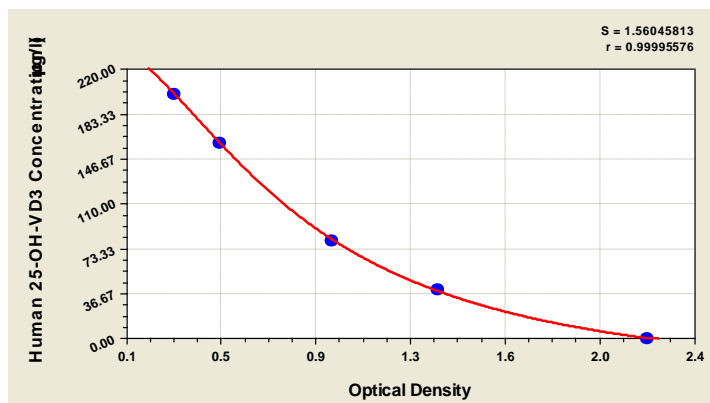
Inter-assay Precision (Precision between assays): CV%<10%

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

Sample	Intra-Assay Precision			Inter-Assay Precision		
	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 produce samples with values within the dynamic range of the assay.

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