


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

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

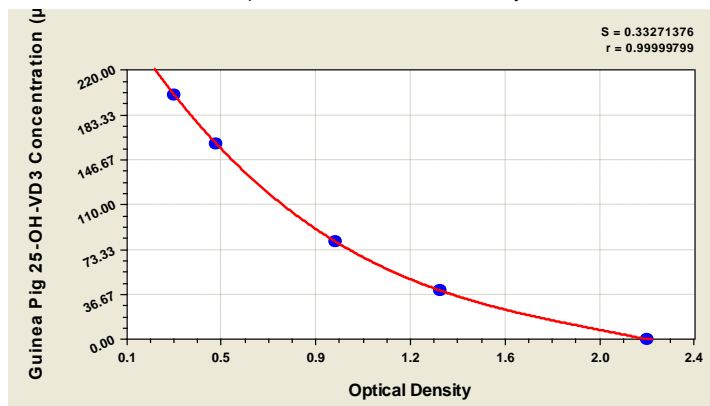
Inter-assay Precision (Precision between assays): CV%<10%

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)	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
	Range % 82-105
1:10	Average % 89
	Range % 82-109
1:20	Average % 98
	Range % 89-116
1:40	Average % 96
	Range % 83-108