


PRECISION
Intra-assay Precision (Precision within an assay): CV%<10%

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

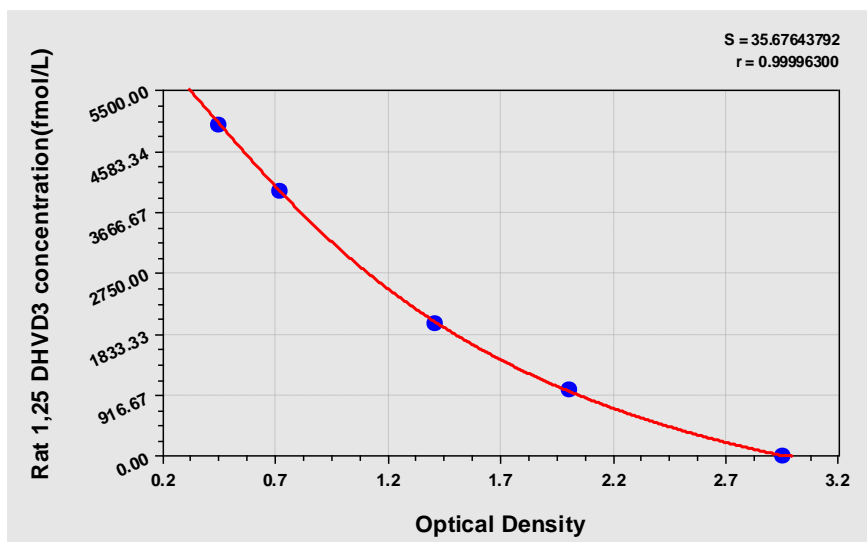
Inter-assay Precision (Precision between assays): CV%<15%

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(fmol/L)	2001.25	2016.37	1977.66	1986.22	1999.10	2009.88
SD	0.073	0.078	0.062	0.088	0.102	0.091
CV(%)	5.164	5.497	4.315	6.138	7.155	6.397

TYPICAL DATA

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



fmol/L	OD1	OD2	Average
5000	0.427	0.465	0.446
4000	0.723	0.713	0.718
2000	1.425	1.399	1.412
1000	2.101	1.923	2.012
0	3.014	2.922	2.968

LOD

250 fmol/L

LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of Rat 1,25-dihydroxyvitamin D3 (1,25 DVD/DHVD3) in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

Sample	Plant Tissue (n=4)
1:10	Average %
	Range %
1:20	Average %
	Range %
1:40	Average %
	Range %
1:80	Average %
	Range %