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PRECISION

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

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

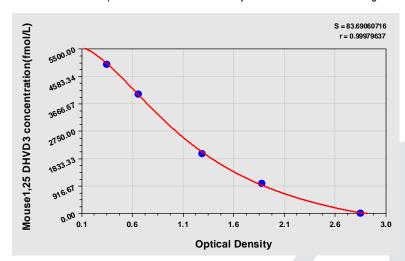
Inter-assay Precision (Precision between assays): CV%<15%

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

	Intra-Assay Pre	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3	
n	20	20	20	20	20	20	
Mean(fmol/L)	1996.76	2052.86	2097.57	2033.22	1934.69	2016.14	
SD	0.073	0.076	0.055	0.076	0.081	0.085	
CV(%)	5.647	6.018	4.397	5.974	6.197	6.669	

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	0.333	0.359	0.346
4000	0.654	0.642	0.648
2000	1.296	1.236	1.266
1000	1.831	1.859	1.845
0	2.943	2.653	2.798

LOD

250 fmol/L

LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of Mouse1,25-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 %	89
1.10	Range %	83-96
1:20	Average %	90
1.20	Range %	85-95
1:40	Average %	95
1.40	Range %	90-99
1:80	Average %	99
1.00	Range %	96-104