



PRECISION

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

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

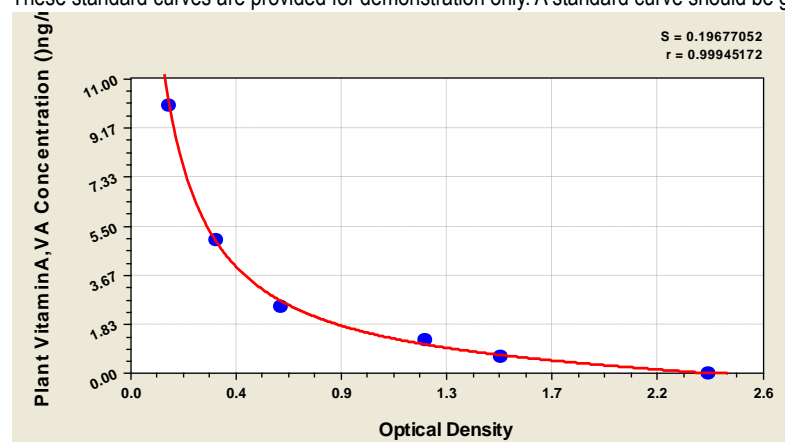
Inter-assay Precision (Precision between assays): CV%<10%

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(ng/ml)	5.130	5.397	4.984	5.222	5.316	5.268
SD	0.019	0.020	0.021	0.024	0.023	0.026
CV(%)	5.413	5.988	5.817	6.957	6.785	7.602

TYPICAL DATA

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



ng/ml	OD1	OD2	Average
10	0.168	0.182	0.175
5	0.357	0.377	0.367
2.5	0.624	0.642	0.633
1.25	1.186	1.250	1.218
0.625	1.534	1.522	1.528
0	2.368	2.384	2.376

LOD

0.467 ng/ml

LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of Plant Vitamin A 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)
1:1	Average %	85
	Range %	80-95
1:2	Average %	92
	Range %	85-101
1:4	Average %	93
	Range %	84-98
1:8	Average %	96
	Range %	90-108