



### PRECISION

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

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

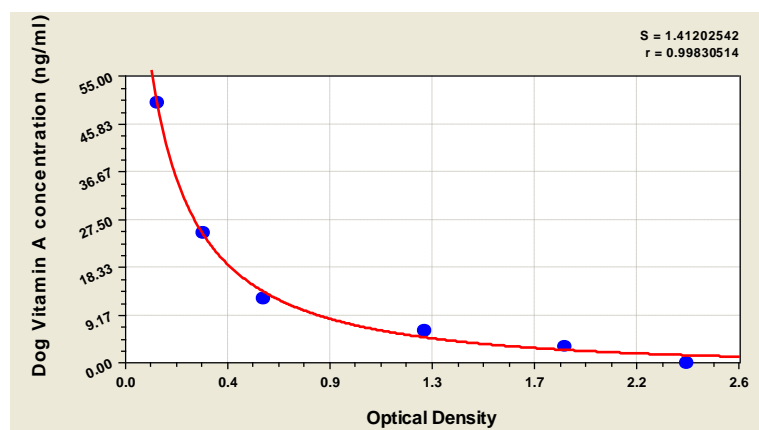
#### **Inter-assay Precision (Precision between assays): CV%<10%**

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(ng/ml)	25.936	23.348	23.870	26.325	25.117	23.542
SD	0.022	0.021	0.024	0.027	0.026	0.028
CV(%)	6.811	5.833	6.818	8.491	7.784	7.843

### 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
50	0.146	0.148	0.147
25	0.352	0.334	0.343
12.5	0.563	0.625	0.594
6.25	1.236	1.294	1.265
3.12	1.871	1.829	1.850
0	2.332	2.392	2.362

### LOD

2.336 ng/ml

### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of dog Vitamin A in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

Sample	Sample	Serum(n=4)
1:50	Average %	89
	Range %	80-100
1:100	Average %	91
	Range %	82-101
1:200	Average %	93
	Range %	88-98
1:400	Average %	95
	Range %	84-106