



### PRECISION

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

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

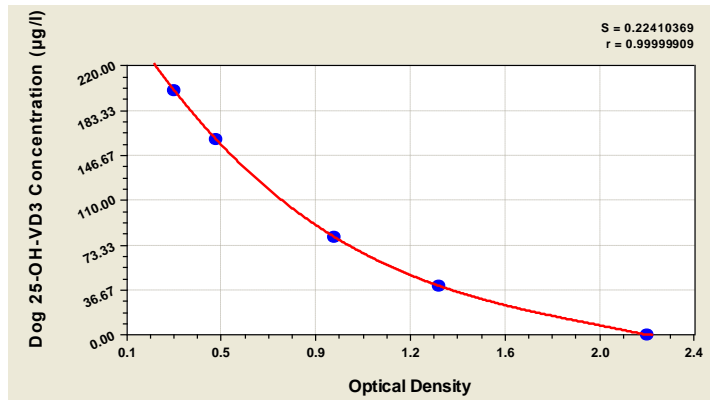
#### **Inter-assay Precision (Precision between assays): CV%<10%**

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)	105.793	104.735	105.339	109.956	106.555	101.173
SD	0.032	0.037	0.034	0.052	0.035	0.051
CV(%)	4.275	4.902	4.514	7.285	4.753	6.604

### 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	0.268	0.271	0.270
160	0.456	0.428	0.442
80	0.936	0.932	0.934
40	1.346	1.386	1.366
0	2.173	2.276	2.225

### LOD

14.261 µg/l

### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of dog 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	Dog Serum(n=4)	
1:40	Average %	95
	Range %	84-112
1:80	Average %	89
	Range %	80-105
1:160	Average %	99
	Range %	95-113
1:320	Average %	95
	Range %	88-109