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PRECISION

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

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

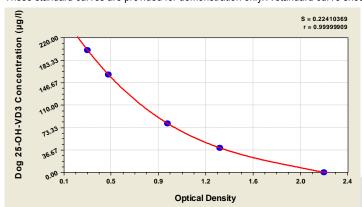
Inter-assay Precision (Precision between assays):CV%<10%

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(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

<u>LOD</u>

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)	
4.40	Average %	95	
1:40	Range %	84-112	
1,90	Average %	89	
1:80	Range %	80-105	
1,160	Average %	99	
1:160	Range %	95-113	
1:320	Average %	95	
1.320	Range %	88-109	