



### PRECISION

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

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

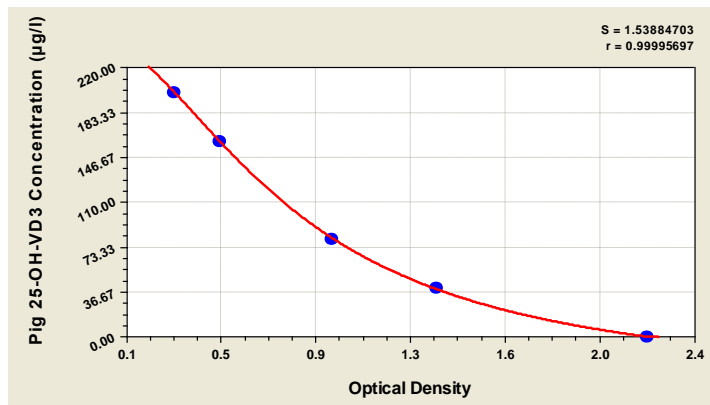
#### **Inter-assay Precision (Precision between assays): CV%<10%**

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)	111.163	109.994	110.661	115.763	112.0047	106.061
SD	0.031	0.035	0.032	0.051	0.034	0.050
CV(%)	4.165	4.792	4.404	7.175	4.643	6.494

### 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	0.307	0.279	0.293
160	0.455	0.507	0.481
80	0.935	0.939	0.937
40	1.345	1.385	1.365
0	2.172	2.275	2.224

### LOD

15.161 µg/l

### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of pig 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	Pig Serum(n=4)
1:10	Average %	95
	Range %	84-112
1:20	Average %	89
	Range %	80-105
1:40	Average %	99
	Range %	95-113
1:80	Average %	95
	Range %	88-109