



### PRECISION

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

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

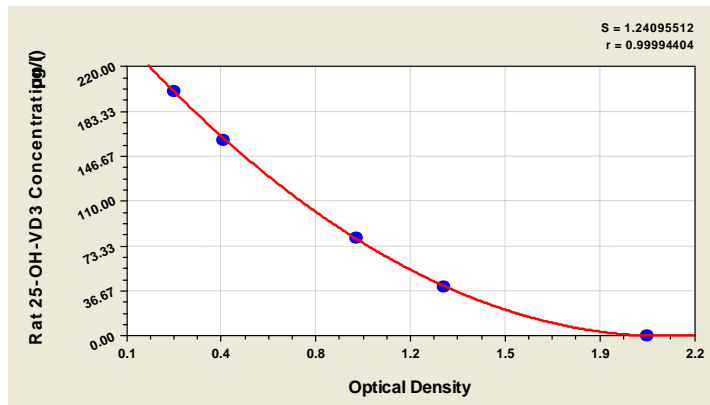
#### **Inter-assay Precision (Precision between assays): CV%<10%**

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)	81.802	80.842	81.390	85.559	82.492	77.592
SD	0.046	0.052	0.048	0.072	0.050	0.070
CV(%)	4.925	5.552	5.164	7.935	5.403	7.254

### 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	0.255	0.266	0.261
160	0.463	0.434	0.449
80	0.942	0.957	0.950
40	1.284	1.275	1.280
0	2.075	2.014	2.045

### LOD

15.161 µg/l

### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of rat 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	Rat Serum(n=4)	
1:10	Average %	94
	Range %	89-107
1:20	Average %	90
	Range %	81-107
1:40	Average %	97
	Range %	84-115
1:80	Average %	96
	Range %	86-106