

## WUHAN HUAMEI BIOTECH CO., LTD.

Postal Address: Wuhan Hi-tech Medical Devices Park, Building B11, #818 Gaoxin Road, Donghu Hi-Tech Development Area, Wuhan, Hubei Province 430206, P.R. China

Website: www.cusabio.com www.cusabio.cn

Email: cusabio@cusabio.com Tel: +86-27-87582341

Fax: +86-27-87196150



## **PRECISION**

Intra-assay Precision (Precision within an assay): CV%<10%

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

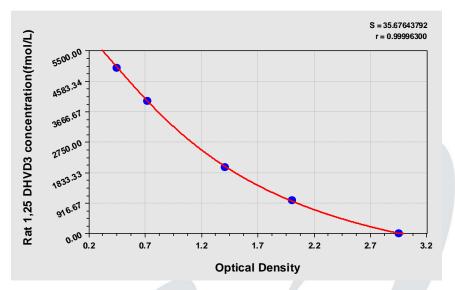
Inter-assay Precision (Precision between assays): CV%<15%

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(fmol/L)	2001.25	2016.37	1977.66	1986.22	1999.10	2009.88
SD	0.073	0.078	0.062	0.088	0.102	0.091
CV(%)	5.164	5.497	4.315	6.138	7.155	6.397

## **TYPICAL DATA**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



fmol/L	OD1	OD2	Average
5000	0.427	0.465	0.446
4000	0.723	0.713	0.718
2000	1.425	1.399	1.412
1000	2.101	1.923	2.012
0	3.014	2.922	2.968

# **LOD**

250 fmol/L

#### LINEARITY

To assess the linearity of the assay, samples were spiked with high concentrations of Rat 1,25-dihydroxyvitamin D3 (1,25 DVD/DHVD3) in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Plant Tissue (n=4)
1:10	Average %	85
1.10	Range %	80-95
1:20	Average %	92
1.20	Range %	85-101
1:40	Average %	93
1.40	Range %	84-98
1:80	Average %	96
1.00	Range %	90-108