

CERTIFICATE OF ANALYSIS

Product: 25-OH Vitamin D ELISA Kit (General)
SKU: OKEH02569
Lot: KG0406
Expiration Date: 2022.12

Performance Characteristics:

Intra-Assay CV	<= 4.3%	Passed
Inter-Assay CV	<= 7.1%	Passed
Limit of Detection (LOD)		<= 1.27 nmol/L
Assay Range		3.12 - 200 nmol/L

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 200 nmol Lyophilized 25-OH Vitamin D standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a set of diluted standards as indicated in the chart below:

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (nmol/L)
1	Reconstitute 25-OH Vitamin D Standard	N/A	N/A	1,000	200
2	200	300	300	600	100

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (nmol/L)
3	100	300	300	600	50
4	50	300	300	600	25
5	25	300	300	600	12.5
6	12.5	300	300	600	6.25
7	6.25	300	300	600	3.12
8	N/A	0	300	300	0.0 (Blank)



Typical Expected Data

Standard Curve and Calculations ONLY. Do not use below report for result calculations. A standard curve should be generated each time the test is performed.

Standard Number	Concentration (nmol/L)	Background Adjusted OD Value
1	200	0.154
2	100	0.237
3	50	0.414
4	25	0.695
5	12.5	1.198
6	6.25	1.646

Standard Number	Concentration (nmol/L)	Background Adjusted OD Value
7	3.12	2.084

Standard Curve Graph

