

CERTIFICATE OF ANALYSIS

Product: PTH ELISA Kit (Human)
Sku: OKEH00642
Lot: KG0227
Expiration Date: 2022.09

Performance Characteristics:

Intra-Assay CV	<= 5.6%	Passed
Inter-Assay CV	<= 9.3%	Passed
Limit of Detection (LOD)		<= 5.86 pg/mL
Assay Range		23.4 - 1500 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 1500 pg Lyophilized PTH 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 (pg/mL)
1	Reconstitute PTH Standard	N/A	N/A	1,000	1500
2	1500	300	300	600	750

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	750	300	300	600	375
4	375	300	300	600	187
5	187	300	300	600	93.7
6	93.7	300	300	600	46.8
7	46.8	300	300	600	23.4
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 (pg/mL)	Background Adjusted OD Value
1	1500	3.143
2	750	1.972
3	375	1.15
4	187	0.55
5	93.7	0.267
6	46.8	0.119

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	23.4	0.06

Standard Curve Graph

