

CERTIFICATE OF ANALYSIS

Product: BMP4 ELISA Kit (Human)
Sku: OKEH00028
Lot: KF0053
Expiration Date: 2021.07

Performance Characteristics:

Intra-Assay CV	<= 5.2%	Passed
Inter-Assay CV	<= 9.3%	Passed
Limit of Detection (LOD)		<= 15.6 pg/mL
Assay Range		31.2 - 2000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 4000 pg Lyophilized BMP4 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 BMP4 Standard	N/A	N/A	2,000	2000
2	2000	300	300	600	1000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	1000	300	300	600	500
4	500	300	300	600	250
5	250	300	300	600	125
6	125	300	300	600	62.5
7	62.5	300	300	600	31.2
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	2000	3.112
2	1000	2.382
3	500	1.785
4	250	1.184
5	125	0.715
6	62.5	0.39

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	31.2	0.212

Standard Curve Graph

