

CERTIFICATE OF ANALYSIS

Product: BMP4 ELISA Kit (Mouse)
SKU: OKEH02960
Lot: KF0877
Expiration Date: 2022.01

Performance Characteristics:

| | | |
|--------------------------|---------|-------------------|
| Intra-Assay CV | <= 5.2% | Passed |
| Inter-Assay CV | <= 9.3% | Passed |
| Limit of Detection (LOD) | | <= 7.88 pg/mL |
| Assay Range | | 15.6 - 1000 pg/mL |

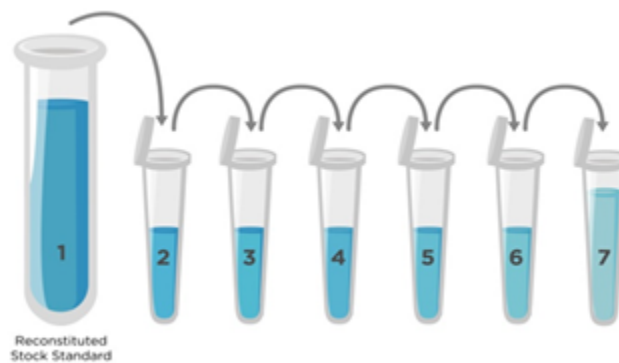
Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 2000 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 | 1000 |
| 2 | 1000 | 300 | 300 | 600 | 500 |

| Standard Number (Tube) | Standard To Dilute | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (pg/mL) |
|------------------------|--------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 3 | 500 | 300 | 300 | 600 | 250 |
| 4 | 250 | 300 | 300 | 600 | 125 |
| 5 | 125 | 300 | 300 | 600 | 62.5 |
| 6 | 62.5 | 300 | 300 | 600 | 31.2 |
| 7 | 31.2 | 300 | 300 | 600 | 15.6 |
| 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 | 1000 | 2.88 |
| 2 | 500 | 2.074 |
| 3 | 250 | 1.15 |
| 4 | 125 | 0.539 |
| 5 | 62.5 | 0.24 |
| 6 | 31.2 | 0.099 |

| Standard Number | Concentration (pg/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7 | 15.6 | 0.051 |

Standard Curve Graph

