

## CERTIFICATE OF ANALYSIS

**Product:** FGF2 ELISA Kit (Rat)  
**SKU:** OKEH03143  
**Lot:** KE1339  
**Expiration Date:** 2021.04

### Performance Characteristics:

Intra-Assay CV	$\leq 5.2\%$	Passed
Inter-Assay CV	$\leq 8.4\%$	Passed
Limit of Detection (LOD)		$\leq 7.8$ 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 FGF2 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 FGF2 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	2.587
2	500	1.753
3	250	1.133
4	125	0.664
5	62.5	0.345
6	31.2	0.204

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	15.6	0.11

Standard Curve Graph

