

CERTIFICATE OF ANALYSIS

Product: LIF ELISA Kit (Human)
SKU: OKEH00154
Lot: KF0643
Expiration Date: 2021.12

Performance Characteristics:

Intra-Assay CV	≤ 3.9%	Passed
Inter-Assay CV	≤ 6.5%	Passed
Limit of Detection (LOD)		≤ 12 pg/mL
Assay Range		31.2 - 2000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 2000 pg Lyophilized LIF 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 LIF Standard	N/A	N/A	1,000	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	2.72
2	1000	1.779
3	500	1.164
4	250	0.642
5	125	0.41
6	62.5	0.225

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	31.2	0.124

Standard Curve Graph

