

CERTIFICATE OF ANALYSIS

Product: LEP ELISA Kit (Human)
SKU: OKEH00150
Lot: KF0748
Expiration Date: 2021.12

Performance Characteristics:

Intra-Assay CV	$\leq 5.4\%$	Passed
Inter-Assay CV	$\leq 8.1\%$	Passed
Limit of Detection (LOD)		≤ 0.26 ng/mL
Assay Range		0.625 - 40 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 80 ng Lyophilized LEP 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 (ng/mL)
1	Reconstitute LEP Standard	N/A	N/A	2,000	40
2	40	300	300	600	20

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	20	300	300	600	10
4	10	300	300	600	5
5	5	300	300	600	2.5
6	2.5	300	300	600	1.25
7	1.25	300	300	600	0.625
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 (ng/mL)	Background Adjusted OD Value
1	40	2.634
2	20	2.132
3	10	1.623
4	5.0	1.099
5	2.5	0.678
6	1.25	0.393

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.625	0.213

Standard Curve Graph

