

CERTIFICATE OF ANALYSIS

Product: Sphingosine ELISA Kit (General)
SKU: OKEH02615
Lot: KH0588
Expiration Date: 2024.03

Performance Characteristics:

Intra-Assay CV	$\leq 5.7\%$	Passed
Inter-Assay CV	$\leq 9.2\%$	Passed
Limit of Detection (LOD)		≤ 0.066 ng/mL
Assay Range		0.156 - 10 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 10 ng Lyophilized Sphingosine 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 Sphingosine Standard	N/A	N/A	1,000	10
2	10	300	300	600	5.0

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	5.0	300	300	600	2.5
4	2.5	300	300	600	1.25
5	1.25	300	300	600	0.625
6	0.625	300	300	600	0.312
7	0.312	300	300	600	0.156
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	10	0.184
2	5.0	0.384
3	2.5	0.541
4	1.25	0.9
5	0.625	1.292
6	0.312	1.792

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.156	2.28

Standard Curve Graph

