

CERTIFICATE OF ANALYSIS

Product: Diacylglycerol ELISA Kit (General)
SKU: OKEH02607
Lot: KE1678
Expiration Date: 2021.06

Performance Characteristics:

Intra-Assay CV	<= 7.1%	Passed
Inter-Assay CV	<= 11.2%	Passed
Limit of Detection (LOD)		<= 0.262 ng/mL
Assay Range		0.625 - 40 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 0.5 mL of Sample Diluent to the 20 ng Lyophilized Diacylglycerol 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 Diacylglycerol Standard	N/A	N/A	500	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	5.0
5	5.0	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	0.222
2	20	0.378
3	10	0.634
4	5.0	1.002
5	2.5	1.389
6	1.25	1.701

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.625	1.762

Standard Curve Graph

