

CERTIFICATE OF ANALYSIS

Product: DGKA ELISA Kit (Mouse)
SKU: OKEH04965
Lot: KF0468
Expiration Date: 2021.10

Performance Characteristics:

Intra-Assay CV	<= 8.3%	Passed
Inter-Assay CV	<= 10.1%	Passed
Limit of Detection (LOD)		<= 0.316 ng/mL
Assay Range		0.625 - 40 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 40 ng Lyophilized DGKA 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 DGKA Standard	N/A	N/A	1,000	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	5.00
5	5.00	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	2.699
2	20	1.611
3	10	0.73
4	5.0	0.346
5	2.5	0.164
6	1.25	0.071

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.625	0.021

Standard Curve Graph

