CERTIFICATE OF ANALYSIS

Product: **GABA ELISA Kit (General)**

Sku: **OKEH02564**

Lot: **KF0941**

Expiration Date: **2022.02**

Performance Characteristics:

Intra-Assay CV	<= 5.1%	Passed
Inter-Assay CV	<= 6.9%	Passed
Limit of Detection (LOD)		<= 0.45 ng/mL
Assay Range		1.56 - 100 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 100 ng Lyophilized GABA 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:

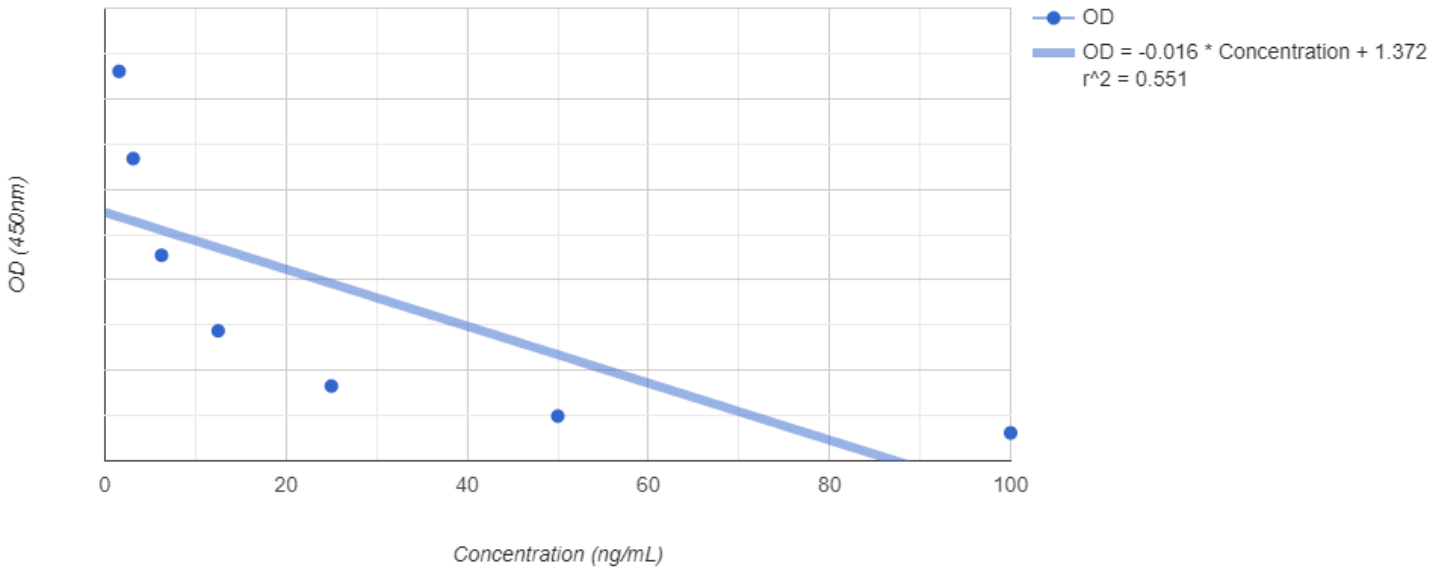
Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
1	Reconstitute GABA Standard	N/A	N/A	1,000	100
2	100	300	300	600	50

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	50	300	300	600	25
4	25	300	300	600	12.5
5	12.5	300	300	600	6.25
6	6.25	300	300	600	3.12
7	3.12	300	300	600	1.56
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	100	0.154
2	50	0.247
3	25	0.413
4	12.5	0.718
5	6.25	1.135
6	3.12	1.669

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	1.56	2.151

Standard Curve Graph