

CERTIFICATE OF ANALYSIS

Product: GAST ELISA Kit (Human)
Sku: OKEH00883
Lot: KH0753
Expiration Date: 2024.05

Performance Characteristics:

Intra-Assay CV	<= 4.3%	Passed
Inter-Assay CV	<= 7.2%	Passed
Limit of Detection (LOD)		<= 4.2 pg/mL
Assay Range		15.6 - 1000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 1000 pg Lyophilized GAST 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 (pg/mL)
1	Reconstitute GAST Standard	N/A	N/A	1,000	1000
2	1000	300	300	600	500

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	500	300	300	600	250
4	250	300	300	600	125
5	125	300	300	600	62.5
6	62.5	300	300	600	31.2
7	31.2	300	300	600	15.6
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 (pg/mL)	Background Adjusted OD Value
1	1000	2.623
2	500	1.408
3	250	0.595
4	125	0.264
5	62.5	0.133
6	31.2	0.064

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	15.6	0.05

Standard Curve Graph

