

CERTIFICATE OF ANALYSIS

Product: ATP1A3 ELISA Kit (Human)
SKU: OKEH05672
Lot: KH0725
Expiration Date: 2024.05

Performance Characteristics:

Intra-Assay CV	<= 5.8%	Passed
Inter-Assay CV	<= 9.9%	Passed
Limit of Detection (LOD)		<= 15.62 pg/mL
Assay Range		31.2 - 2000 pg/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 0.5 mL of Sample Diluent to the 1000 pg Lyophilized ATP1A3 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 ATP1A3 Standard	N/A	N/A	500	2000
2	2000	300	300	600	1000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	1000	300	300	600	500
4	500	300	300	600	250
5	250	300	300	600	125
6	125	300	300	600	62.5
7	62.5	300	300	600	31.2
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	2000	2.78
2	1000	1.565
3	500	0.837
4	250	0.428
5	125	0.187
6	62.5	0.076

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	31.2	0.029

Standard Curve Graph

