



CERTIFICATE OF ANALYSIS

Product: Human Apolipoprotein A1 ELISA Kit

Catalog No: OKIA00053

Lot No: KH0582

Expiration Date: July, 2024

Kit Components	Lot Number	Contents
Plate	HU011723	1 plate of 96 wells with 12 strips
Calibrator	HS2453148-100-L124	1 vial
HRP Conjugate	HU012023	1 vial
5X Diluent Buffer	---	50 mL
20X Wash Buffer	---	50 mL
Stop Solution	---	12 mL
Chromagen Substrate Solution	---	12 mL

Performance Characteristics:

Intra-Assay CV	< 10%	Passed
Inter-Assay CV	< 10%	Passed
Control Serum Recovery	> 85%	Passed

Calibrator Dilution:

Add 1.0 ml of distilled or de-ionized water to the calibrator and mix gently until dissolved. The calibrator is now at a concentration of 10.222 µg/ml (the reconstituted calibrator should be aliquoted and frozen if future use is intended). The standards need to be prepared immediately prior to use (see chart below). Mix well between each step. Avoid foaming.

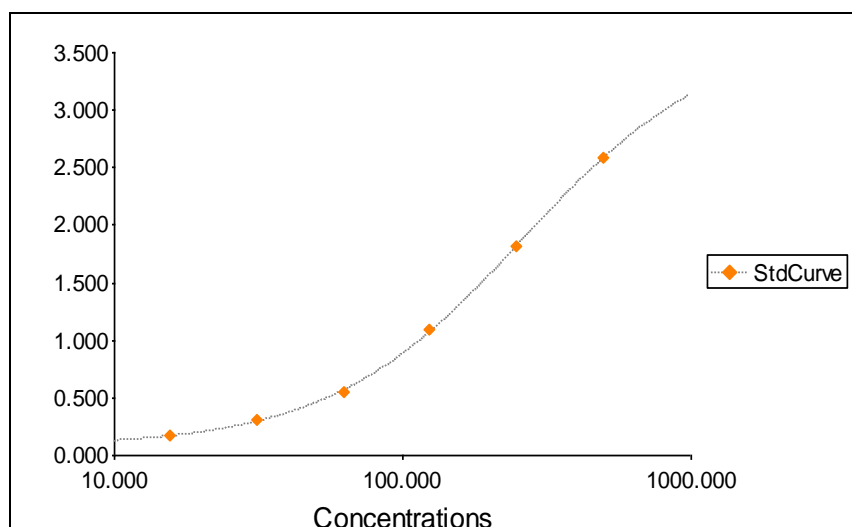
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
6	500	45 µl of Human AP1 Calibrator	875 µl
5	250	300 µl standard 6	300 µl
4	125	300 µl standard 5	300 µl
3	62.50	300 µl standard 4	300 µl
2	31.25	300 µl standard 3	300 µl
1	15.63	300 µl standard 2	300 µl
0	0		600 µl

Sample 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 Curve Report

Standard #	Concentration (ng/mL)	Background Adjusted OD Value	Back Calculation	% Recovery
1	15.63	0.166	15.575	99.65
2	31.25	0.298	32.100	102.72
3	62.50	0.546	60.705	97.13
4	125	1.087	126.965	101.57
5	250	1.811	248.654	99.46
6	500	2.585	503.006	100.60

Standard Curve Graph



Standard Curve Background: 0.046 A₄₅₀