



CERTIFICATE OF ANALYSIS

Product: Horse IgG ELISA Kit

Catalog No: OKIA00143

Lot No: KG0133

Expiration Date: March, 2023

Kit Components	Lot Number	Contents
Plate	HO091420	1 plate of 96 wells with 12 strips
Calibrator	SP092110-100-L85A	1 vial
HRP Conjugate	HO100920	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 96.40 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.

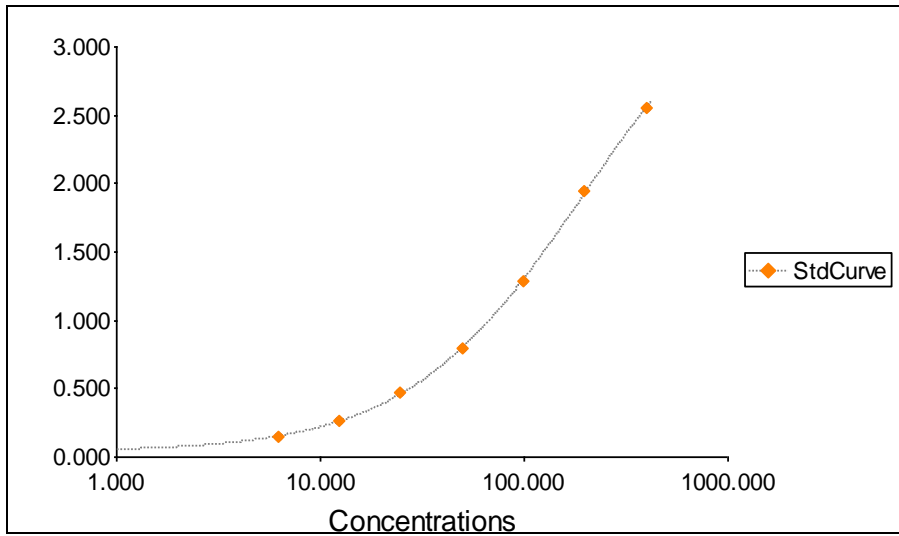
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
7	400	3 µl of Horse IgG Calibrator	720 µl
6	200	300 µl standard 7	300 µl
5	100	300 µl standard 6	300 µl
4	50	300 µl standard 5	300 µl
3	25	300 µl standard 4	300 µl
2	12.50	300 µl standard 3	300 µl
1	6.25	300 µl standard 2	300 µl
0	0		600 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	6.25	0.144	5.985	95.76
2	12.50	0.259	12.603	100.82
3	25	0.463	25.506	102.02
4	50	0.791	49.972	99.94
5	100	1.284	98.669	98.67
6	200	1.935	202.147	101.07
7	400	2.553	398.556	99.64

Standard Curve Graph



Standard Curve Background: 0.046 A₄₅₀