



CERTIFICATE OF ANALYSIS

Product: Chicken IgY ELISA Kit

Catalog No: OKIA00018

Lot No: KF0052

Expiration Date: May, 2022

Kit Components	Part Number	Contents
Plate	PL-30Y	1 plate of 96 wells with 12 strips
Calibrator	RC-30	1 vial
HRP Conjugate	HRP-30Y	1 vial
5X Diluent Buffer	E1-5X	50 mL
20X Wash Buffer	E3-20X	50 mL
Stop Solution	E5-STOP	12 mL
TMB Substrate Solution	E-TMB	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 392.0 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.

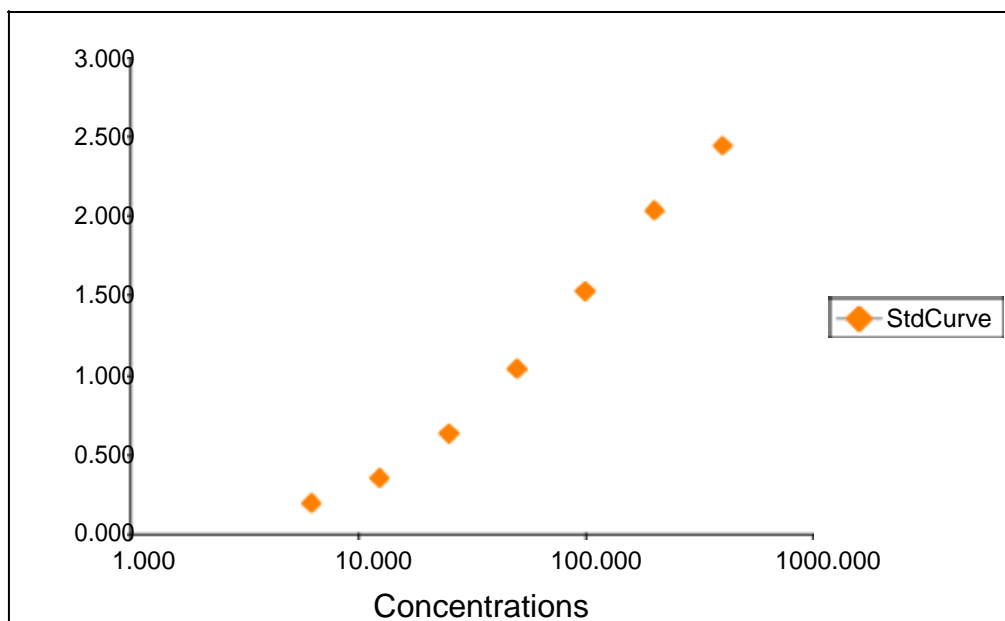
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
A	3920	5 µl Chicken IgY Calibrator	495 µl
7	400	100 µl standard A	880 µl
6	200	300 µl standard 7	300 µl
5	100	300 µl standard 6	300 µl
4	50	300 µl standard 5	300 µl
3	25	300 µl standard 4	300 µl
2	12.50	300 µl standard 3	300 µl
1	6.25	300 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	0.190	6.385	102.16
2	12.50	0.346	12.247	97.98
3	25	0.628	25.052	100.21
4	50	1.035	50.615	101.23
5	100	1.521	99.760	99.76
6	200	2.032	203.381	101.69
7	400	2.445	410.629	102.66

Standard Curve Graph



Standard Curve Background: 0.041 A₄₅₀