



## CERTIFICATE OF ANALYSIS

**Product:** Rat C3 ELISA Kit

**Catalog No:** OKIA00136

**Lot No:** KH0687

**Expiration Date:** July, 2024

Kit Components	Lot Number	Contents
Plate	RT011023	1 plate of 96 wells with 12 strips
Calibrator	D6/CH-100-L105	1 vial
HRP Conjugate	RT011223	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 10.743 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.

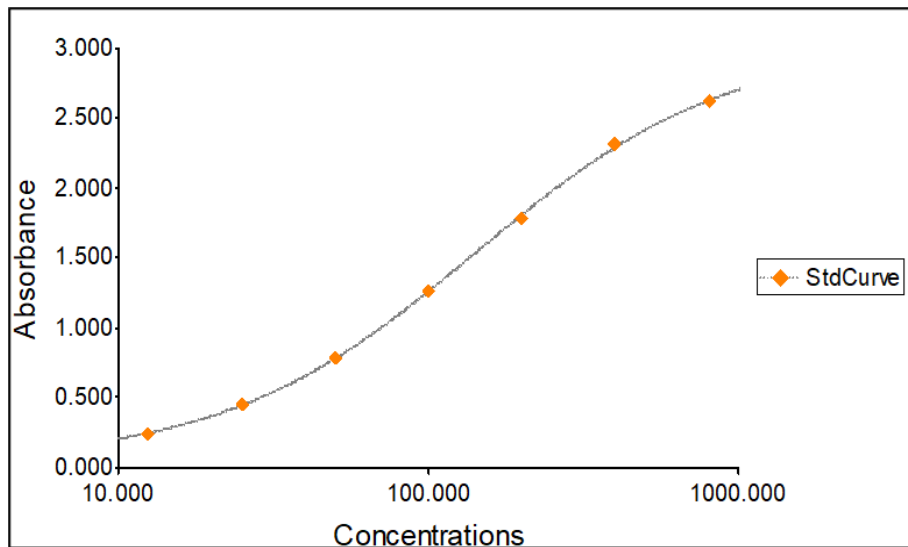
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
7	800	70 µl of Rat C3 Calibrator	870 µl
6	400	300 µl standard 7	300 µl
5	200	300 µl standard 6	300 µl
4	100	300 µl standard 5	300 µl
3	50	300 µl standard 4	300 µl
2	25	300 µl standard 3	300 µl
1	12.50	300 µl standard 2	300 µl
0	0		600 µl

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	12.50	0.245	12.219	97.75
2	25	0.450	25.227	100.91
3	50	0.789	50.553	101.11
4	100	1.264	100.104	100.10
5	200	1.793	195.336	97.67
6	400	2.321	420.368	105.09
7	800	2.621	809.354	101.17

### Standard Curve Graph



**Standard Curve Background: 0.047 A<sub>450</sub>**