

CERTIFICATE OF ANALYSIS

Product: CP ELISA Kit (Mouse)
Sku: OKEH03245
Lot: KE1340
Expiration Date: 2021.04

Performance Characteristics:

Intra-Assay CV	$\leq 5.7\%$	Passed
Inter-Assay CV	$\leq 8.9\%$	Passed
Limit of Detection (LOD)		≤ 0.59 ng/mL
Assay Range		12.5 - 800 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 800 ng Lyophilized CP 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 (ng/mL)
1	Reconstitute CP Standard	N/A	N/A	1,000	800
2	800	300	300	600	400

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	400	300	300	600	200
4	200	300	300	600	100
5	100	300	300	600	50
6	50	300	300	600	25
7	25	300	300	600	12.5
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 (ng/mL)	Background Adjusted OD Value
1	800	2.631
2	400	1.95
3	200	1.358
4	100	0.922
5	50	0.573
6	25	0.327

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	12.5	0.179

Standard Curve Graph

