

## CERTIFICATE OF ANALYSIS

**Product:** CAT ELISA Kit (Rat)  
**SKU:** OKEH00330  
**Lot:** KF0606  
**Expiration Date:** 2021.11

### Performance Characteristics:

Intra-Assay CV	<= 5.2%	Passed
Inter-Assay CV	<= 7.8%	Passed
Limit of Detection (LOD)		<= 0.312 ng/mL
Assay Range		0.625 - 40 ng/mL

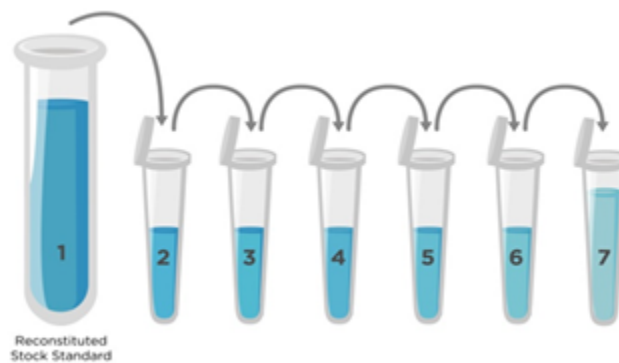
### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 80 ng Lyophilized CAT 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 CAT Standard	N/A	N/A	2,000	40
2	40	300	300	600	20

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	20	300	300	600	10
4	10	300	300	600	5.0
5	5.0	300	300	600	2.5
6	2.5	300	300	600	1.25
7	1.25	300	300	600	0.625
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	40	2.427
2	20	1.692
3	10	1.02
4	5.0	0.595
5	2.5	0.349
6	1.25	0.199

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.625	0.142

Standard Curve Graph

