

CERTIFICATE OF ANALYSIS

Product: ACTA2 ELISA Kit (Human)
SKU: OKEH00958
Lot: KF0035
Expiration Date: 2021.07

Performance Characteristics:

Intra-Assay CV	$\leq 5.2\%$	Passed
Inter-Assay CV	$\leq 9.2\%$	Passed
Limit of Detection (LOD)		≤ 1.56 ng/mL
Assay Range		3.12 - 200 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 400 ng Lyophilized ACTA2 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 ACTA2 Standard	N/A	N/A	2,000	200
2	200	300	300	600	100

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	100	300	300	600	50
4	50	300	300	600	25
5	25	300	300	600	12.5
6	12.5	300	300	600	6.25
7	6.25	300	300	600	3.12
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	200	2.671
2	100	2.038
3	50	1.377
4	25	0.847
5	12.5	0.445
6	6.25	0.249

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	3.12	0.126

Standard Curve Graph

