

CERTIFICATE OF ANALYSIS

Product: MPO ELISA Kit (Rat)
SKU: OKEH02834
Lot: KH0765
Expiration Date: 2024.05

Performance Characteristics:

Intra-Assay CV	<= 4.6%	Passed
Inter-Assay CV	<= 9.3%	Passed
Limit of Detection (LOD)		<= 0.44 ng/mL
Assay Range		0.78 - 50 ng/mL

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 100 ng Lyophilized MPO 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 MPO Standard	N/A	N/A	2,000	50
2	50	300	300	600	25

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
3	25	300	300	600	12.5
4	12.5	300	300	600	6.25
5	6.25	300	300	600	3.12
6	3.12	300	300	600	1.56
7	1.56	300	300	600	0.78
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	50	2.848
2	25	1.896
3	12.5	1.151
4	6.25	0.683
5	3.12	0.35
6	1.56	0.175

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
7	0.78	0.09

Standard Curve Graph

