

## CERTIFICATE OF ANALYSIS

**Product:** HAMP ELISA Kit (Mouse)  
**Sku:** OKEH01408  
**Lot:** KH0645  
**Expiration Date:** 2024.04

### Performance Characteristics:

Intra-Assay CV	<= 5.8%	Passed
Inter-Assay CV	<= 11.7%	Passed
Limit of Detection (LOD)		<= 3.165 pg/mL
Assay Range		6.25 - 400 pg/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 400 pg Lyophilized HAMP 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 (pg/mL)
1	Reconstitute HAMP Standard	N/A	N/A	1,000	400
2	400	300	300	600	200

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	200	300	300	600	100
4	100	300	300	600	50
5	50	300	300	600	25
6	25	300	300	600	12.5
7	12.5	300	300	600	6.25
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 (pg/mL)	Background Adjusted OD Value
1	400	2.673
2	200	2.085
3	100	1.61
4	50	1.041
5	25	0.686
6	12.5	0.361

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	6.25	0.205

Standard Curve Graph

