

## CERTIFICATE OF ANALYSIS

**Product:** Methylmalonic Acid ELISA Kit (General)  
**SKU:** OKEH02609  
**Lot:** KF0831  
**Expiration Date:** 2021.12

### Performance Characteristics:

Intra-Assay CV	<= 4.1%	Passed
Inter-Assay CV	<= 7.9%	Passed
Limit of Detection (LOD)		<= 0.099 ng/mL
Assay Range		0.312 - 20 ng/mL

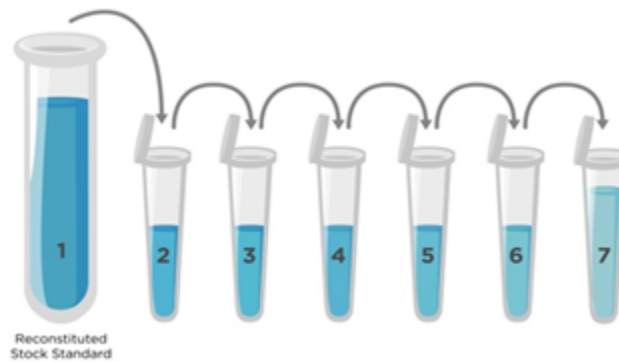
### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 20 ng Lyophilized Methylmalonic Acid 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 Methylmalonic Acid Standard	N/A	N/A	1,000	20

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (ng/mL)
2	20	300	300	600	10
3	10	300	300	600	5.0
4	5.0	300	300	600	2.5
5	2.5	300	300	600	1.25
6	1.25	300	300	600	0.625
7	0.625	300	300	600	0.312
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	20	0.093
2	10	0.146
3	5.0	0.216
4	2.5	0.334
5	1.25	0.511

Standard Number	Concentration (ng/mL)	Background Adjusted OD Value
6	0.625	0.865
7	0.312	1.539

**Standard Curve Graph**

