

## CERTIFICATE OF ANALYSIS

**Product:** HDL ELISA Kit (Human)  
**Sku:** OKEH00700  
**Lot:** KE1631  
**Expiration Date:** 2021.06

### Performance Characteristics:

Intra-Assay CV	<= 4.3%	Passed
Inter-Assay CV	<= 7.5%	Passed
Limit of Detection (LOD)		<= 61 pg/mL
Assay Range		125 - 8,000 pg/mL

### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 8000 pg Lyophilized HDL 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 HDL Standard	N/A	N/A	1,000	8000
2	8000	300	300	600	4000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	4000	300	300	600	2000
4	2000	300	300	600	1000
5	1000	300	300	600	500
6	500	300	300	600	250
7	250	300	300	600	125
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	8000	2.86
2	4000	1.887
3	2000	1.111
4	1000	0.608
5	500	0.357
6	250	0.196

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	125	0.09

Standard Curve Graph

