



## CERTIFICATE OF ANALYSIS

**Product:** Human Hemoglobin ELISA Kit

**Catalog No:** OKIA00065

**Lot No:** KH0617

**Expiration Date:** January, 2025

Kit Components	Lot Number	Contents
Plate	HU081822	1 plate of 96 wells with 12 strips
Calibrator	100937-10-L118A	1 vial
HRP Conjugate	HU082322	1 vial
5X Diluent Buffer	---	50 mL
20X Wash Buffer	---	50 mL
Stop Solution	---	12 mL
TMB Substrate Solution	---	12 mL

**Performance Characteristics:**

Intra-Assay CV	< 10%	Passed
Inter-Assay CV	< 10%	Passed
Control Serum Recovery	> 85%	Passed

**Calibrator Dilution:**

Add 1.0 ml of distilled or de-ionized water to the calibrator and mix gently until dissolved. The calibrator is now at a concentration of 2.540 µg/ml (the reconstituted calibrator should be aliquoted and frozen if future use is intended). The standards need to be prepared immediately prior to use (see chart below). Mix well between each step. Avoid foaming.

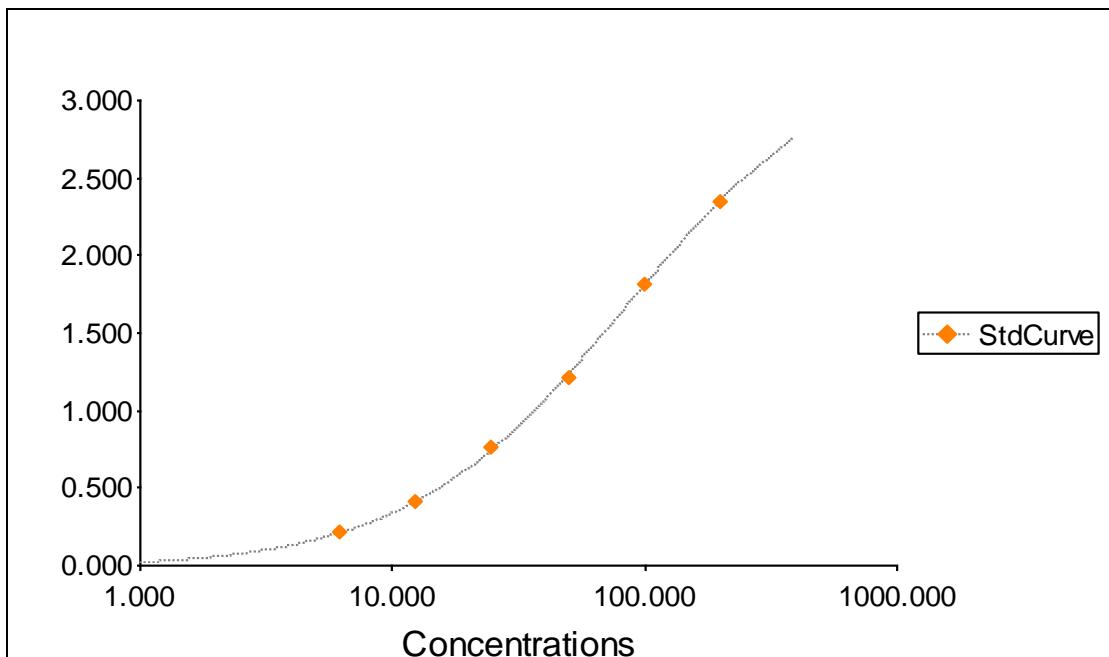
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
6	200	50 µl of Human HM Calibrator	585 µl
5	100	300 µl standard 6	300 µl
4	50	300 µl standard 5	300 µl
3	25	300 µl standard 4	300 µl
2	12.50	300 µl standard 3	300 µl
1	6.25	300 µl standard 2	300 µl
0	0		600 µl

Sample 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 Curve Report

Standard #	Concentration (ng/mL)	Background Adjusted OD Value	Back Calculation	% Recovery
1	6.25	0.265	5.708	91.33
2	12.50	0.461	12.934	103.47
3	25	0.798	26.208	104.82
4	50	1.243	47.333	94.67
5	100	2.014	103.069	103.07
6	200	2.662	198.117	99.06

### Standard Curve Graph



Standard Curve Background: 0.045 A<sub>450</sub>