



## CERTIFICATE OF ANALYSIS

**Product:** Sheep Haptoglobin ELISA Kit

**Catalog No:** OKIA00188

**Lot No:** KH0652

**Expiration Date:** January, 2025

Kit Components	Lot Number	Contents
Plate	SH062223	1 plate of 96 wells with 12 strips
Calibrator	HUC1Q-20-L129	1 vial
HRP Conjugate	SH062823	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 20.750 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.

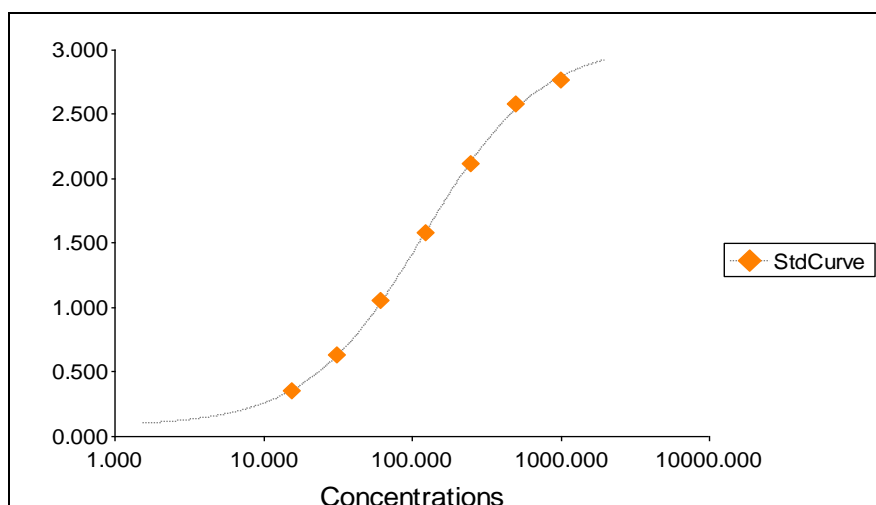
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
7	1000	40 µl of Sheep HPT Calibrator	790 µl
6	500	300 µl standard 7	300 µl
5	250	300 µl standard 6	300 µl
4	125	300 µl standard 5	300 µl
3	62.50	300 µl standard 4	300 µl
2	31.25	300 µl standard 3	300 µl
1	15.63	300 µl standard 2	300 µl
0	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	15.63	0.348	15.193	97.20
2	31.25	0.627	31.766	101.65
3	62.50	1.052	63.387	101.42
4	125	1.578	123.503	98.80
5	250	2.108	243.399	97.36
6	500	2.578	541.271	108.25
7	1000	2.766	936.921	93.69

### Standard Curve Graph



Standard Curve Background: 0.079 A<sub>450</sub>