



## CERTIFICATE OF ANALYSIS

**Product:** Bovine Haptoglobin ELISA Kit

**Catalog No:** OKIA00002

**Lot No:** KF0094

**Expiration Date:** May, 2022

Kit Components	Lot Number	Contents
Plate	BV111220	1 plate of 96 wells with 12 strips
Calibrator	HPT3-100-L94	1 vial
HRP Conjugate	BV112020	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 7.20 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.

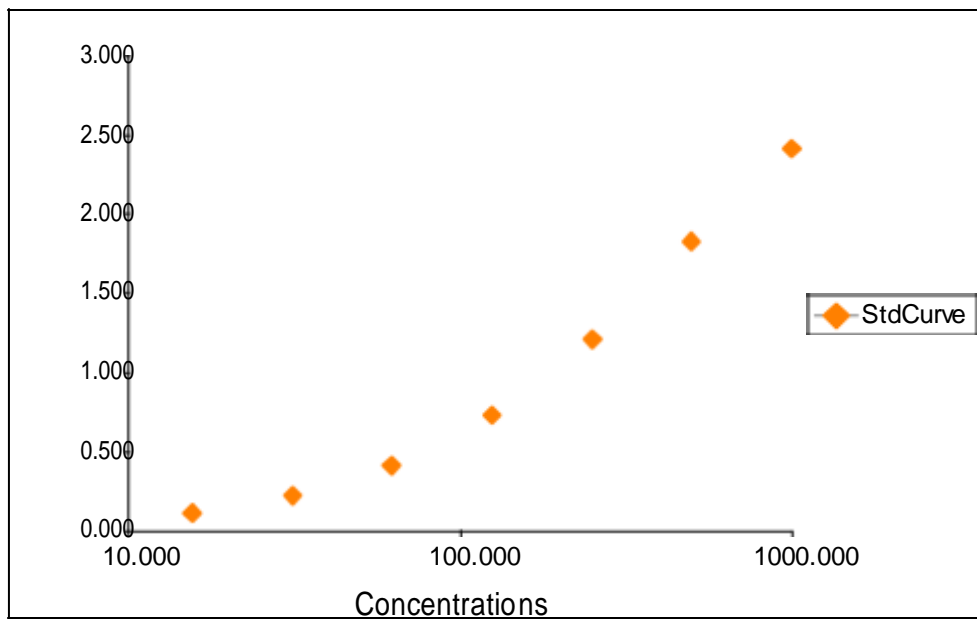
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
7	1000	100 µl of Bovine HPT Calibrator	620 µl
6	500	300 µl standard 7	300 µl
5	250	300 µl standard 6	300 µl
4	125	300 µl standard 5	300 µl
3	62.50	300 µl standard 4	300 µl
2	31.25	300 µl standard 3	300 µl
1	15.63	300 µl standard 2	300 µl
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	0.113	15.183	97.14
2	31.25	0.217	31.376	100.40
3	62.50	0.409	63.302	101.28
4	125	0.728	125.263	100.21
5	250	1.206	247.371	98.95
6	500	1.827	504.486	100.90
7	1000	2.411	998.868	99.89

### Standard Curve Graph



**Standard Curve Background: 0.053 A<sub>450</sub>**