



## CERTIFICATE OF ANALYSIS

**Product:** Pig Haptoglobin ELISA Kit

**Catalog No:** OKIA00118

**Lot No:** KF1442

**Expiration Date:** May, 2023

Kit Components	Lot Number	Contents
Plate	PG100721	1 plate of 96 wells with 12 strips
Calibrator	130108-100-L109	1 vial
HRP Conjugate	PG102921	1 vial
5X Diluent Buffer	---	50 mL
20X Wash Buffer	---	50 mL
Stop Solution	---	12 mL
Chromagen 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 9.933 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.

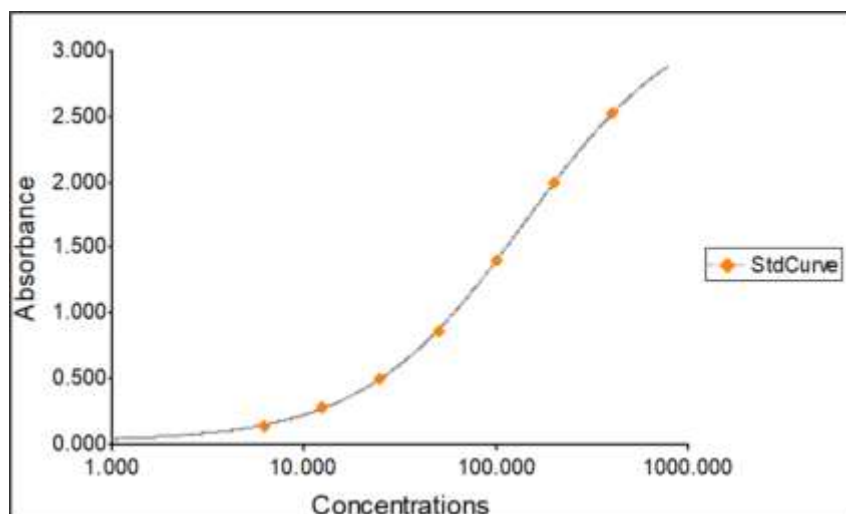
Standard	ng/ml	Volume added to 1X Diluent	Volume of 1X Diluent
7	400	30 µl of Pig HPT Calibrator	715 µl
6	200	300 µl standard 7	300 µl
5	100	300 µl standard 6	300 µl
4	50	300 µl standard 5	300 µl
3	25	300 µl standard 4	300 µl
2	12.50	300 µl standard 3	300 µl
1	6.25	300 µl standard 2	300 µl
0	0		600 µl

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	0.147	6.007	96.11
2	12.50	0.281	12.788	102.30
3	25	0.507	25.344	101.38
4	50	0.864	49.193	98.39
5	100	1.408	101.134	101.13
6	200	1.993	200.847	100.42
7	400	2.519	405.485	101.37

### Standard Curve Graph



**Standard Curve Background: 0.046 A<sub>450</sub>**