

## CERTIFICATE OF ANALYSIS

**Product:** 2,3-Bisphosphoglycerate ELISA Kit (General)  
**SKU:** OKEH02577  
**Lot:** KF0527  
**Expiration Date:** 2021.10

### Performance Characteristics:

Intra-Assay CV	<= 4.3%	Passed
Inter-Assay CV	<= 7.4%	Passed
Limit of Detection (LOD)		<= 9.7 nmol/L
Assay Range		31.2 - 2000 nmol/L

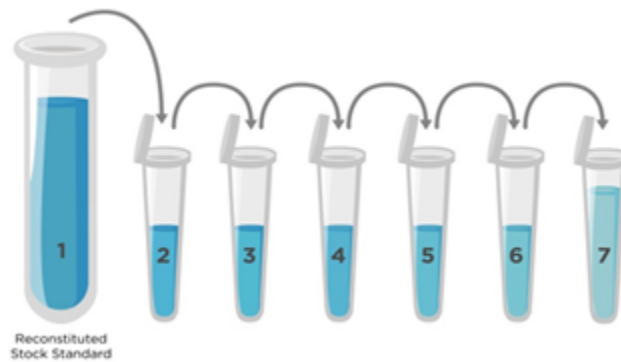
### Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 2000 nmol Lyophilized 2,3-Bisphosphoglycerate 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 (nmol/L)
1	Reconstitute 2,3-Bisphosphoglycerate Standard	N/A	N/A	1,000	2000

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (nmol/L)
2	2000	300	300	600	1000
3	1000	300	300	600	500
4	500	300	300	600	250
5	250	300	300	600	125
6	125	300	300	600	62.5
7	62.5	300	300	600	31.2
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 (nmol/L)	Background Adjusted OD Value
1	2000	0.154
2	1000	0.247
3	500	0.413
4	250	0.718

Standard Number	Concentration (nmol/L)	Background Adjusted OD Value
5	125	1.135
6	62.5	1.669
7	31.2	2.151

