



## CERTIFICATE OF ANALYSIS

**Product:** Human NAG ELISA Kit

**Catalog No:** OKEH00113

**Lot No:** KF1012

**Expiration Date:** 2022.02

**Performance Characteristics:**

|                          |        |                |
|--------------------------|--------|----------------|
| Intra-Assay CV           | < 4.3% | Passed         |
| Inter-Assay CV           | < 7.5% | Passed         |
| Limit of Detection (LOD) |        | < 0.78 U/L     |
| Assay Range              |        | 1.56 – 100 U/L |

**Standard Dilution:**

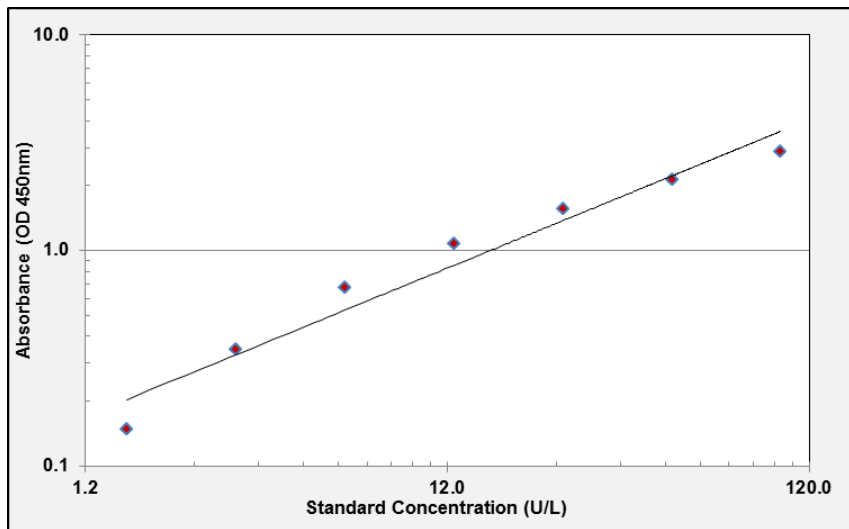
Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 400 U Lyophilized NAG Standard. Mix gently until dissolved. Leave the vial at ambient temperature for 15 minutes.

Prepare a 100 U/L Standard by adding 500 µL of 200 U/L Standard to 500 µL of Sample Diluent in Tube #1. Mix gently and thoroughly.

| Standard Number (Tube) | Standard to Dilute   | Volume Standard to Dilute (µL) | Volume Sample Diluent (µL) | Total Volume (µL) | Final Concentration (U/L) |
|------------------------|----------------------|--------------------------------|----------------------------|-------------------|---------------------------|
| Standard               | 400 U/L NAG Standard | NA                             | 2,000                      | 2,000             | 200 U/L                   |
| 1                      | 200 U/L              | 500                            | 500                        | 1,000             | 100 U/L                   |
| 2                      | 100 U/L              | 300                            | 300                        | 600               | 50 U/L                    |
| 3                      | 50 U/L               | 300                            | 300                        | 600               | 25 U/L                    |
| 4                      | 25 U/L               | 300                            | 300                        | 600               | 12.5 U/L                  |
| 5                      | 12.5 U/L             | 300                            | 300                        | 600               | 6.25 U/L                  |
| 6                      | 6.25 U/L             | 300                            | 300                        | 600               | 3.12 U/L                  |
| 7                      | 3.12 U/L             | 300                            | 300                        | 600               | 1.56 U/L                  |
| 8                      | N/A                  | 0                              | 300                        | 300               | 0.0 (Blank)               |

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 Graph



| Standard U/L | Absorbance (OD 450nm) |
|--------------|-----------------------|
| 100          | 2.857                 |
| 50           | 2.116                 |
| 25           | 1.534                 |
| 12.5         | 1.057                 |
| 6.25         | 0.663                 |
| 3.12         | 0.343                 |
| 1.56         | 0.147                 |