

CERTIFICATE OF ANALYSIS

Product: RNLS ELISA Kit (Rat)
Sku: OKEH03288
Lot: KE1575
Expiration Date: 2021.06

Performance Characteristics:

| | | |
|--------------------------|---------|------------------|
| Intra-Assay CV | <= 5.2% | Passed |
| Inter-Assay CV | <= 8.1% | Passed |
| Limit of Detection (LOD) | | <= 1.79 ng/mL |
| Assay Range | | 3.12 - 200 ng/mL |

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 2 mL of Sample Diluent to the 400 ng Lyophilized RNLS 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 (ng/mL) |
|------------------------|----------------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 1 | Reconstitute RNLS Standard | N/A | N/A | 2,000 | 200 |
| 2 | 200 | 300 | 300 | 600 | 100 |

| Standard Number (Tube) | Standard To Dilute | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (ng/mL) |
|------------------------|--------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 3 | 100 | 300 | 300 | 600 | 50 |
| 4 | 50 | 300 | 300 | 600 | 25 |
| 5 | 25 | 300 | 300 | 600 | 12.5 |
| 6 | 12.5 | 300 | 300 | 600 | 6.25 |
| 7 | 6.25 | 300 | 300 | 600 | 3.12 |
| 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 (ng/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 1 | 200 | 2.642 |
| 2 | 100 | 2.016 |
| 3 | 50 | 1.546 |
| 4 | 25 | 0.991 |
| 5 | 12.5 | 0.69 |
| 6 | 6.25 | 0.429 |

| Standard Number | Concentration (ng/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7 | 3.12 | 0.255 |

Standard Curve Graph

