

CERTIFICATE OF ANALYSIS

Product: CTSS ELISA Kit (Mouse)
SKU: OKEH03427
Lot: KG0209
Expiration Date: 2022.09

Performance Characteristics:

| | | |
|--------------------------|---------|------------------|
| Intra-Assay CV | <= 6.6% | Passed |
| Inter-Assay CV | <= 9.5% | Passed |
| Limit of Detection (LOD) | | <= 0.079 ng/mL |
| Assay Range | | 0.156 - 10 ng/mL |

Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 10 ng Lyophilized CTSS 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 CTSS Standard | N/A | N/A | 1,000 | 10 |
| 2 | 10 | 300 | 300 | 600 | 5.0 |

| Standard Number (Tube) | Standard To Dilute | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (ng/mL) |
|------------------------|--------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 3 | 5.0 | 300 | 300 | 600 | 2.5 |
| 4 | 2.5 | 300 | 300 | 600 | 1.25 |
| 5 | 1.25 | 300 | 300 | 600 | 0.625 |
| 6 | 0.625 | 300 | 300 | 600 | 0.312 |
| 7 | 0.312 | 300 | 300 | 600 | 0.156 |
| 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 | 10 | 2.419 |
| 2 | 5.0 | 1.523 |
| 3 | 2.5 | 0.915 |
| 4 | 1.25 | 0.473 |
| 5 | 0.625 | 0.255 |
| 6 | 0.312 | 0.133 |

| Standard Number | Concentration (ng/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7 | 0.156 | 0.082 |

Standard Curve Graph

