

CERTIFICATE OF ANALYSIS

Product: DDC ELISA Kit (Rat)
Sku: OKEH06172
Lot: KF0314
Expiration Date: 2021.09

Performance Characteristics:

| | | |
|--------------------------|----------|------------------|
| Intra-Assay CV | <= 4.70% | Passed |
| Inter-Assay CV | <= 7.50% | Passed |
| Limit of Detection (LOD) | | <= 0.188 ng/mL |
| Assay Range | | 0.312 - 20 ng/mL |

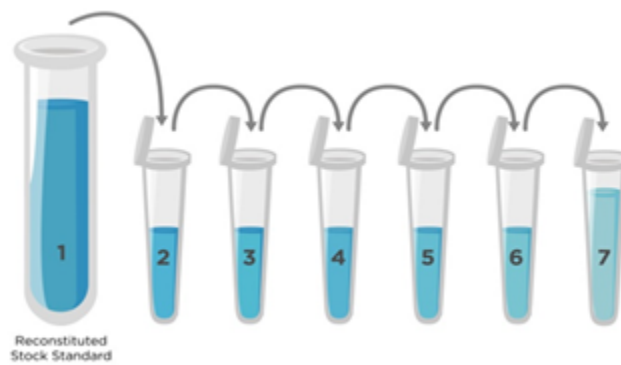
Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 0.5 mL of Sample Diluent to the 10 ng Lyophilized DDC 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 DDC Standard | N/A | N/A | 500 | 20 |
| 2 | 20 | 300 | 300 | 600 | 10 |

| Standard Number (Tube) | Standard To Dilute | Volume Standard To Dilute (uL) | Volume Sample Diluent Buffer (uL) | Total Volume (uL) | Final Concentration (ng/mL) |
|------------------------|--------------------|--------------------------------|-----------------------------------|-------------------|-----------------------------|
| 3 | 10 | 300 | 300 | 600 | 5.0 |
| 4 | 5.0 | 300 | 300 | 600 | 2.5 |
| 5 | 2.5 | 300 | 300 | 600 | 1.25 |
| 6 | 1.25 | 300 | 300 | 600 | 0.625 |
| 7 | 0.625 | 300 | 300 | 600 | 0.312 |
| 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 | 20 | 2.766 |
| 2 | 10 | 2.096 |
| 3 | 5.0 | 1.415 |
| 4 | 2.5 | 0.862 |
| 5 | 1.25 | 0.487 |
| 6 | 0.625 | 0.271 |

| Standard Number | Concentration (ng/mL) | Background Adjusted OD Value |
|-----------------|-----------------------|------------------------------|
| 7 | 0.312 | 0.149 |

Standard Curve Graph

