

CERTIFICATE OF ANALYSIS

Product: Testosterone ELISA Kit (General)

Sku: OKEH02537

Lot: KF0539

Expiration Date: 2021.10

Performance Characteristics:

Intra-Assay CV	$\leq 5.8\%$	Passed
Inter-Assay CV	$\leq 7.9\%$	Passed
Limit of Detection (LOD)		≤ 1.95 pg/mL
Assay Range		3.9 - 250 pg/mL

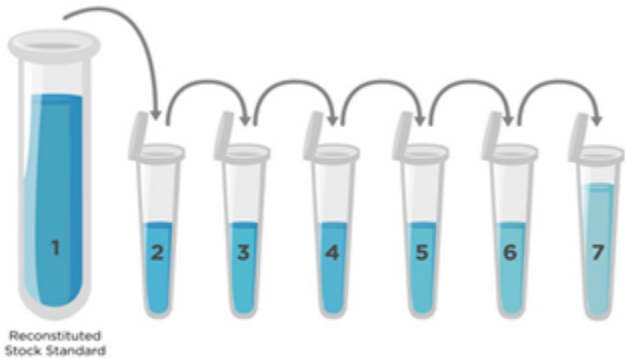
Standard Preparation:

Prepare the standards immediately before use. For each experiment, add 1 mL of Sample Diluent to the 250 pg Lyophilized Testosterone 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 (pg/mL)
1	Reconstitute Testosterone Standard	N/A	N/A	1,000	250
2	250	300	300	600	125

Standard Number (Tube)	Standard To Dilute	Volume Standard To Dilute (uL)	Volume Sample Diluent Buffer (uL)	Total Volume (uL)	Final Concentration (pg/mL)
3	125	300	300	600	62.5
4	62.5	300	300	600	31.2
5	31.2	300	300	600	15.6
6	15.6	300	300	600	7.8
7	7.8	300	300	600	3.9
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 (pg/mL)	Background Adjusted OD Value
1	250	0.312
2	125	0.436
3	62.5	0.621
4	31.2	0.827
5	15.6	1.168
6	7.8	1.562

Standard Number	Concentration (pg/mL)	Background Adjusted OD Value
7	3.9	2.019

Standard Curve Graph

