CDC CLINICAL STANDARDIZATION PROGRAMS
HORMONE STANDARDIZATION PROGRAM (CDC HoSt)

Certificate of Analytical Quality

CENTERS FOR DISEASE CONTROL AND PREVENTION

Participant: GC Laboratories
Analyte: Total Testosterone
Matrix: Serum
Date of Certification: Quarter 2, 2022

This certifies that GC Laboratories has documented traceability to the CDC Clinical Standardization Programs by performing a direct comparison with the CDC ID-LC-MS/MS Reference Method for Total Testosterone using unaltered human sera from single donors covering the concentration range of 8.77-941 mg/dL. This analytical system has demonstrated the ability to meet the performance criteria for accuracy and precision described below. The comparison shows the performance of this analytical system is as follows and is valid for **one** quarter after the date of certification:

Mean Bias
2.1%
Mean Bias within suggested range

ANALYTICAL SYSTEM EVALUATED

Assay Identifier: LC-MS/MS
Methodology: LC-MS/MS

Instrument	Calibrator	Reagent
Sciex	Chromsystems	In-House
Triple Quad 6500+	MassChrom® Steroid Panel 2 Cal 1-6	Tert-Butyl methyl ether, 99%
	Lot(s): 920	Lot(s): A0401770

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