

TEST UPDATE

TESTOSTERONE TOTAL BY LCMS

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OVERVIEW AND CLINICAL UTILITY:

Effective May 14, 2012, Free and Total Testosterone for females and children will be performed in house. The concentration of free testosterone is derived from a mathematical expression based on the measurement of testosterone by LC/MS and sex hormone binding globulin. This test is suggested for women and children due to the improved sensitivity of testosterone by LC/MS. Reference ranges for Total Testosterone and Free Testosterone will be updated based on our patient population. Testosterone, the major androgenic hormone in humans, is commonly measured to aid in the diagnosis of clinical conditions related to its excess or deficiency. In addition, testosterone measurements are used to monitor testosterone replacement or anti-androgen therapy.

ORDERING INFORMATION:

Test Name	Test Code	Reported Components	CPT	Old LOINC	New LOINC
Testosterone Free, Females or Children	TEFRD	Free Testosterone	84402	2991-8	T00535
Testosterone Free and Total, Females or Children	TFTFC	Total Testosterone by LCMS	84403	2986-8	T00534
		Free Testosterone	N/A	2991-8	T00535
		Sex Hormone Binding Globulin	84270	13967-5	13967-5
Testosterone, Females or Children by LCMS	TETOT	Total Testosterone	84403	2986-8	T00534

REFERENCE RANGE UPDATE:

Refer to the Directory of Services for updated reference ranges.

SPECIMEN COLLECTION AND STORAGE:

- 1) Collect specimen in a serum separator tube.
 - a) Allow serum tube to clot for 30 minutes.
 - b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
- 2) Serum specimens are stable refrigerated for 7 days.
- 3) Transport specimen refrigerated.

TEST PERFORMED: Monday- Friday

TURNAROUND TIME: 2 - 4 Days

FOR FURTHER QUESTIONS, PLEASE CONTACT CLIENT SERVICES AT 615-562-9300 OR 1-888-474-5227.