

Test Definition: TGRP

Testosterone, Total and Free, Serum

Reporting Title: Testosterone, Total and Free, S

Performing Location: Rochester

Specimen Requirements:

Container/Tube: Preferred: Red top Acceptable: Serum gel Specimen Volume: 2.5 mL

Additional Information: Patient's age and sex are required.

Specimen Type	Temperature	Time	
Serum	Refrigerated (preferred)	14 days	
	Frozen	60 days	

Result Codes:

Result ID	Reporting Name	Туре	Unit	LOINC®
3631	Testosterone, Free, S	Numeric	ng/dL	2991-8
8533	Testosterone, Total, S	Numeric	ng/dL	2986-8
	Also used by tests: TTST			

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Testosterone, Total Only	1	84403		
FRTST	Testosterone, Free, S	1	84402	Yes	No
TTST	Testosterone, Total, S	1	84403	Yes	Yes (Order TTST)



Test Definition: TGRP

Testosterone, Total and Free, Serum

Reference Values:

TESTOSTERONE, FREE Males: 9-30 ng/dL Females: 0.3-1.9 ng/dL

Reference values are not established for subjects <16 years.

TESTOSTERONE, TOTAL

Males

0-5 months: 75-400 ng/dL 6 months-9 years: <7-20 ng/dL 10-11 years: <7-130 ng/dL 12-13 years: <7-800 ng/dL 14 years: <7-1,200 ng/dL 15-16 years: 100-1,200 ng/dL 17-18 years: 300-1,200 ng/dL > or =19 years: 240-950 ng/dL

Tanner Stages*
I (prepubertal): <7-20

II: 8-66 III: 26-800 IV: 85-1,200

V (young adult): 300-950

Females

0-5 months: 20-80 ng/dL 6 months-9 years: <7-20 ng/dL 10-11 years: <7-44 ng/dL 12-16 years: <7-75 ng/dL 17-18 years: 20-75 ng/dL > or =19 years: 8-60 ng/dL

Tanner Stages*
I (prepubertal): <7-20
II: <7-47

III: 17-75 IV: 20-75

V (young adult): 12-60

*Puberty onset (transition from Tanner stage I to Tanner stage II) occurs for boys at a median age of 11.5 (+/-2) years and for girls at a median age of 10.5 (+/-2) years. There is evidence that it may occur up to 1 year earlier in obese girls and in African American girls. For boys, there is no definite proven relationship between puberty onset and body weight or ethnic origin. Progression through Tanner stages is variable. Tanner stage V (young adult) should be reached by age 18.