

Overview

Method Name

Ammonium sulfate precipitation; liquid chromatography/tandem mass spectrometry (LC/MS-MS)

NY State Available

Yes

Specimen

Specimen Type

Serum

Specimen Required

Collection Container/Tube:

Preferred: Red top

Acceptable: Serum gel

Submission Container/tube: Plastic vial

Specimen Volume: 2 mL

Collection Instructions:

1. Draw blood in a plain red-top tube(s).
2. Within one hour of collection, centrifuge and aliquot 2 mL serum into a plastic vial.
3. Ship refrigerated.

Specimen Minimum Volume

1.4 mL (does not allow for repeat testing)

Reject Due To

Gross hemolysis	OK
Gross lipemia	OK
Gross icterus	OK

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Ambient	7 days	
	Refrigerated (preferred)	7 days	

Clinical & Interpretive
Reference Values

Males:

Age:	Range (ng/dL):
Premature Infants (26 to 28 weeks) Day 4	59.0-125.0
Premature (31-35 weeks) Day 4	37.0-198.0
Newborns	75.0-400.0
Prepubertal (1 to 10 years)	<2.5-10.0

1 to 7 Months

Levels decrease rapidly the first week to 20.0-50.0 ng/dL, then increase to 60.0-400.0 ng/dL (mean=190.0) between 20-60 days. Levels then decline to prepubertal range of <2.5-10.0 by seven months.

Females:

Age:	Range (ng/dL):
Premature Infants (26 to 28 weeks) Day 4	5.0-16.0
Premature (31-35 weeks) Day 4	5.0-22.0
Newborns	20.0-64.0
Prepubertal (1 to 9 years)	<2.5-10.0

1 to 7 Months

Levels decrease during the first month to <10.0 ng/dL and remain there until puberty.

Puberty:

Tanner Stage (Males)	Age (Years)	Range (ng/dL)	Mean (ng/dL)
1	<9.8	<2.5-10.0	4.9
2	9.8-14.5	18.0-150.0	42.0
3	10.7-15.4	100.0-320.0	190.0
4	11.8-16.2	200.0-620.0	372.0
5	12.8-17.3	350.0-970.0	546.0

Tanner Stage (Females)	Age (Years)	Range (ng/dL)	Mean (ng/dL)
1	<9.2	<2.5-10.0	4.9
2	9.2-13.7	7.0-28.0	18.0
3	10.0-14.4	15.0-35.0	25.0
4	10.7-15.6	13.0-32.0	22.0
5	11.8-18.6	20.0-38.0	28.0

Adults:

> or =18 Years	Range (ng/dL)
Males	350.0-1030.0
Females	

Premenopausal	10.0-55.0
Postmenopausal	7.0-40.0

Testosterone % Free+Weakly Bound:

Female: 3.0-18.0%

Male: 9.0-46.0%

Testosterone, F+W Bound:

Female: 0.0-9.5 ng/dL

Male: 40.0-250.0 ng/dL

Performance**PDF Report**

No

Day(s) Performed

Daily

Report Available

6 to 10 days

Performing Laboratory Location

LabCorp Burlington

Fees & Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

Test Classification

This test was developed, and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.

CPT Code Information

84410

LOINC® Information

Test Definition: FFTST

Testosterone, Free and Weakly Bound, With
Total Testosterone, LC/MS-MS

Test ID	Test Order Name	Order LOINC® Value
FFTST	Testosterone,F/WklyBd+T LC/MS	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z6079	Testosterone, Total, LC/MS	2986-8
Z6080	Testost. % Free+Weakly Bound	6891-6
Z6081	Testost. F+W Bound	2990-0