

Overview

Method Name

Testosterone: high-pressure liquid chromatography (HPLC)/tandem mass spectrometry
Free testosterone: equilibrium dialysis

NY State Available

No

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), serum gel tube(s) is acceptable.
2. Within 45 minutes of draw, centrifuge and aliquot 2 mL of serum into a plastic vial.
3. Send frozen.

Note: To avoid delay in turnaround time when requesting multiple tests, submit separate frozen specimens for each test requested.

Specimen Minimum Volume

1 mL

Reject Due To

Gross hemolysis	Reject
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Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
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Serum	Frozen (preferred)		
	Refrigerated	7 days	
	Ambient	6 days	

Clinical & Interpretive

Reference Values

Testosterone Expected Values:

Males:

Age:	Range (ng/dL):
Premature (26-28 weeks) Day 4	59-125
Premature (31-35 weeks) Day 4	37-198
Newborns (1 to 7 months)	75-400
Prepubertal (1 to 10 years)	<2.5-10
Adults (>18)	264-916

Females:

Age:	Range (ng/dL):
Premature (26-28 weeks) Day 4	5-16
Premature (31-35 weeks) Day 4	5-22
Newborns (1 to 7 months)	20-64
Prepubertal (1 to 9 years)	<2.5-10
Premenopausal	10-55
Postmenopausal	7-40

Males:

Tanner Stage:	Age (years):	Testosterone (ng/dL):
I	<9.8	<2.5-10
II	9.8-14.5	18-150
III	10.7-15.4	100-320
IV	11.8-16.2	200-620
V	12.8-17.3	350-970

Females:

Tanner Stage:	Age (years):	Testosterone (ng/dL):
I	<9.2	<2.5-10
II	9.2-13.7	7-28
III	10.0-14.4	15-35
IV	10.7-15.6	13-32
V	11.8-18.6	20-38

Free Testosterone Expected Values:

Males:

Age:	% Free:	pg/mL
Full-term infants (1-15 days)	0.9-1.7	1.5-31
Full-term infants (1-2 months)	0.4-0.8	3.3-18
Full-term infants (3-4 months)	0.4-1.1	0.7-14
Full-term infants (5-6 months)	0.4-1.0	0.4-4.8
Prepubertal children (1-10 years)	0.4-0.9	0.15-0.6
Puberty	*	*
Adults	1.5-3.2	52-280

Females:

Age:	% Free:	pg/mL
Full-term infants (1-15 days)	0.8-1.5	0.5-2.5
Full-term infants (1-2 months)	0.4-1.1	0.1-1.3
Full-term infants (3-4 months)	0.5-1.0	0.3-1.1
Full-term infants (5-6 months)	0.5-0.8	0.2-0.6
Prepubertal children (1-10 years)	0.4-0.9	0.15-0.6
Puberty:	*	*
Adults	0.8-1.4	1.1-6.3

***Puberty:** Comprehensive values for free testosterone by dialysis for both males and females throughout puberty are currently unavailable.

Performance

PDF Report

No

Day(s) Performed

Varies

Report Available

8 to 14 days

Performing Laboratory Location

Esoterix Endocrinology

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](#).

CPT Code Information

84402

84403

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FFTFD	Testosterone, Free MS/Dialysis	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z6361	Testosterone, Total	2986-8
Z6362	% Free Testosterone, (Dialysis)	15432-8
Z6363	Free Testosterone, Serum	2991-8