

500 Chipeta Way, Salt Lake City, Utah 84108-1221

phone: 801-583-2787, toll free: 800-522-2787

Tracy I. George, MD, Chief Medical Officer

Patient Age/Sex: 32 years Male

Specimen Collected: 06-Dec-21 10:48

Testosterone, Bio/SHBG by Mass | Received: 06-Dec-21 10:48 Report/Verified: 14-Dec-21 13:20  
Spec

Procedure	Result	Units	Reference Interval
Sex Hormone Binding Globulin	10 <sup>L</sup> <sup>i1</sup>	nmol/L	17-56
Testosterone by Mass Spec	150 <sup>L</sup> <sup>i2</sup>	ng/dL	300-1080
Testosterone, Free by Mass Spec	44.7 <sup>L</sup> <sup>i3</sup>	pg/mL	47.0-244.0
Testosterone, Bioavailable by Mass Spec	111.3 <sup>L</sup> <sup>i4</sup>	ng/dL	130.0-680.0

**Test Information**

i1: Sex Hormone Binding Globulin  
REFERENCE INTERVAL: Sex Hormone Binding Globulin

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

i2: Testosterone by Mass Spec

INTERPRETIVE INFORMATION: Testosterone by Mass Spec

Free or bioavailable testosterone measurements may provide supportive information.

For individuals on testosterone-suppressing hormone therapies (e.g., antiandrogens or estrogens), refer to cisgender female reference intervals. For a complete set of all established reference intervals, refer to [ltd.aruplab.com/Tests/Pub/0081058](http://ltd.aruplab.com/Tests/Pub/0081058).

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i3: Testosterone, Free by Mass Spec

INTERPRETIVE INFORMATION: Testosterone, Free by Mass Spec

Free testosterone concentration is calculated using total testosterone (measured by mass spectrometry) and the binding constant of testosterone and sex hormone-binding globulin (SHBG).

For individuals on testosterone-suppressing hormone therapies (e.g., antiandrogens or estrogens), refer to cisgender female reference intervals. For a complete set of all established reference intervals, refer to [ltd.aruplab.com/Tests/Pub/0081059](http://ltd.aruplab.com/Tests/Pub/0081059).

\*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:

**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

ARUP Accession: 21-340-900096

Report Request ID: 15067462

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**Test Information**

i3: Testosterone, Free by Mass Spec

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i4: Testosterone, Bioavailable by Mass Spec

INTERPRETIVE INFORMATION: Testosterone, Bioavailable by Mass Spec

Bioavailable testosterone concentration is calculated using total testosterone (measured by mass spectrometry) and the binding constant of testosterone and sex hormone-binding globulin (SHBG) and/or albumin.

For individuals on testosterone-suppressing hormone therapies (e.g., antiandrogens or estrogens), refer to cisgender female reference intervals. For a complete set of all established reference intervals, refer to [ltd.aruplab.com/Tests/Pub/0081057](http://ltd.aruplab.com/Tests/Pub/0081057).

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