


TESTOSTERONE FREE AND TOTAL, ADULT MALE

Collected on Apr 24, 2025 7:01 AM

 Not yet reviewed by care team.

Results

Testosterone, by Immunoassay

Normal range: 300 - 890 ng/dL



INTERPRETIVE INFORMATION: Testosterone by Immunoassay

Testosterone immunoassays are both imprecise and inaccurate at low testosterone concentrations, such as those found in children and cisgender females. For these individuals, testing by mass spectrometry is recommended; refer to Testosterone (Adult Females, Children, or Individuals on Testosterone-Suppressing Hormone Therapy) (ARUP test code 0081058). Free or bioavailable testosterone measurements may provide supportive information.

For individuals on testosterone hormone therapy, refer to cisgender male reference intervals. No reference intervals have been established for males younger than 14 years or for cisgender females. For a complete set of all established reference intervals, refer to ltd.aruplab.com/Tests/Pub/0070130.

Sex Hormone Binding Globulin

Normal range: 17 - 56 nmol/L

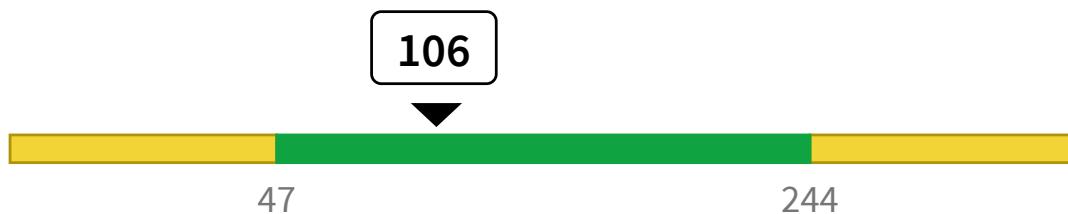


REFERENCE INTERVAL: Sex Hormone Binding Globulin

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

Testosterone, Free Calculation

Normal range: 47 - 244 pg/mL



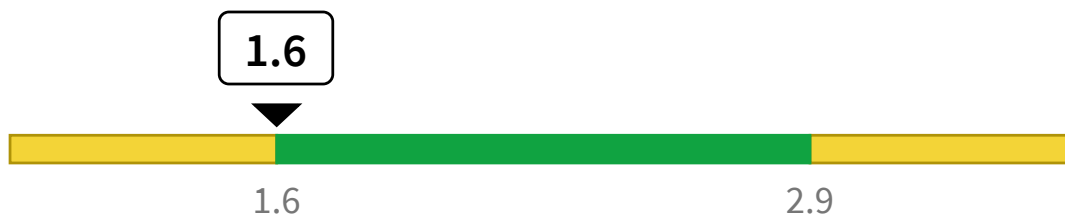
INTERPRETIVE INFORMATION: Testosterone, Free Calculation

Free testosterone concentration is calculated using total testosterone (measured by immunoassay) and the binding constant of testosterone and sex hormone-binding globulin (SHBG). Testosterone immunoassays are both imprecise and inaccurate at low testosterone concentrations, such as those found in children and cisgender females. For these individuals, testing by mass spectrometry is recommended; refer to Testosterone, Free (Adult Females, Children, or Individuals on Testosterone-Suppressing Hormone Therapy) (ARUP test code 0081059).

For individuals on testosterone hormone therapy, refer to cisgender male reference intervals. No reference intervals have been established for males younger than 14 years or for cisgender females. For a complete set of all established reference intervals, refer to ltd.aruplab.com/Tests/Pub/0070109.

Testosterone, Percentage Free

Normal range: 1.6 - 2.9 %



Performed By: ARUP Laboratories
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Laboratory Director: Jonathan R. Genzen, MD, PhD
CLIA Number: 46D0523979

Authorizing provider: Nicole Luehring, APNP

Collection date: Apr 24, 2025 7:01 AM

Specimens: Blood

Result date: Apr 27, 2025 2:26 AM

Result status: Final

Resulting lab:

ARUP LABORATORIES

500 Chipeta Way

Salt Lake City UT 84108

46D0523979 (CLIA #)

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