

Client: Example Client ABC123  
123 Test Drive  
Salt Lake City, UT 84108  
UNITED STATES

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 11/26/1978  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Testosterone, Bioavailable and Total, Includes Sex Hormone-Binding Globulin (Adult Males or Individuals on Testosterone Hormone Therapy)**

ARUP test code 0070102

**Testosterone by Immunoassay** 495 ng/dL (Ref Interval: 300-890)  
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](http://ltd.aruplab.com/Tests/Pub/0070130).

**Sex Hormone Binding Globulin** 25 nmol/L (Ref Interval: 17-56)  
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](http://aruplab.com)).

**Testosterone, Bioavailable** 299 ng/dL (Ref Interval: 131-682)  
INTERPRETIVE INFORMATION: Testosterone, Bioavailable

Bioavailable testosterone concentration is calculated using total testosterone (measured by immunoassay) and the binding constant of testosterone and sex hormone-binding globulin (SHBG) and/or albumin. 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, Bioavailable and Total, Includes Sex Hormone-Binding Globulin (Adult Females, Children, or Individuals on Testosterone-Suppressing Hormone Therapy) (ARUP test code 0081057).

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/0070102](http://ltd.aruplab.com/Tests/Pub/0070102).

**H=High, L=Low, \*=Abnormal, C=Critical**

**Testosterone, Free Calculation**

107 pg/mL (Ref Interval: 47-244)

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](http://ltd.aruplab.com/Tests/Pub/0070109).

**Testosterone, Percentage Free**

2.2 % (Ref Interval: 1.6-2.9)

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Testosterone by Immunoassay	23-086-401947	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Sex Hormone Binding Globulin	23-086-401947	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Testosterone, Bioavailable	23-086-401947	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Testosterone, Free Calculation	23-086-401947	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Testosterone, Percentage Free	23-086-401947	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

**H=High, L=Low, \*=Abnormal, C=Critical**

Unless otherwise indicated, testing performed at: