

FASTING: YES

**▲ LIPID PANEL**

CHOLESTEROL, TOTAL	189	Reference Range: <200 mg/dL
HDL CHOLESTEROL	45	Reference Range: >40 mg/dL
TRIGLYCERIDES	92	Reference Range: <150 mg/dL
<b>▲ LDL-CHOLESTEROL</b>	<b>124 H</b>	mg/dL (calc)

Reference range: <100

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C.  
Martin SS et al. JAMA. 2013;310(19): 2061-2068  
(<http://education.QuestDiagnostics.com/faq/FAQ164>)

CHOL/HDL-C RATIO	4.2	Reference Range: <5.0 (calc)
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<b>▲ NON HDL CHOLESTEROL</b>	<b>144 H</b>	Reference Range: <130 mg/dL (calc)
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For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.

**▲ CBC (INCLUDES DIFF/PLT)**

WHITE BLOOD CELL COUNT	7.9	Reference Range: 3.8-10.8 Thousand/uL
<b>▲ RED BLOOD CELL COUNT</b>	<b>5.90 H</b>	Reference Range: 4.20-5.80 Million/uL
HEMOGLOBIN	17.0	Reference Range: 13.2-17.1 g/dL
<b>▲ HEMATOCRIT</b>	<b>51.1 H</b>	Reference Range: 38.5-50.0 %
MCV	86.6	Reference Range: 80.0-100.0 fL
MCH	28.8	Reference Range: 27.0-33.0 pg
MCHC	33.3	Reference Range: 32.0-36.0 g/dL
RDW	14.3	Reference Range: 11.0-15.0 %
PLATELET COUNT	229	Reference Range: 140-400 Thousand/uL
MPV	10.6	Reference Range: 7.5-12.5 fL
ABSOLUTE NEUTROPHILS	4669	Reference Range: 1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	2583	Reference Range: 850-3900 cells/uL
ABSOLUTE MONOCYTES	482	Reference Range: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	103	Reference Range: 15-500 cells/uL
ABSOLUTE BASOPHILS	63	Reference Range: 0-200 cells/uL
NEUTROPHILS	59.1	%
LYMPHOCYTES	32.7	%
MONOCYTES	6.1	%
EOSINOPHILS	1.3	%

BASOPHILS	0.8	%
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**▲ FSH**

▲ FSH	<0.7 L	Reference Range: 1.6-8.0 mIU/mL
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**▲ LH**

▲ LH	<0.2 L	Reference Range: 1.5-9.3 mIU/mL
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**▲ TESTOSTERONE,FR(DIALYSIS) AND TOTAL(LC/MS/MS)**

TESTOSTERONE, TOTAL, LC/MS/MS	944	Reference Range: 250-1100 ng/dL
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For more information on this test, go to <http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS>

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

▲ FREE TESTOSTERONE	267.2 H	Reference Range: 35.0-155.0 pg/mL See Note 1
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**COMPREHENSIVE METABOLIC PANEL**

GLUCOSE	87	Reference Range: 65-99 mg/dL
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Fasting reference interval

UREA NITROGEN (BUN)	15	Reference Range: 7-25 mg/dL
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CREATININE	0.95	Reference Range: 0.60-1.35 mg/dL
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eGFR NON-AFR. AMERICAN	98	Reference Range: > OR = 60 mL/min/1.73m2
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eGFR AFRICAN AMERICAN	114	Reference Range: > OR = 60 mL/min/1.73m2
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BUN/CREATININE RATIO	NOT APPLICABLE	Reference Range: 6-22 (calc)
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SODIUM	140	Reference Range: 135-146 mmol/L
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POTASSIUM	4.7	Reference Range: 3.5-5.3 mmol/L
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CHLORIDE	105	Reference Range: 98-110 mmol/L
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CARBON DIOXIDE	29	Reference Range: 20-31 mmol/L
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CALCIUM	9.3	Reference Range: 8.6-10.3 mg/dL
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PROTEIN, TOTAL	7.4	Reference Range: 6.1-8.1 g/dL
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ALBUMIN	4.7	Reference Range: 3.6-5.1 g/dL
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GLOBULIN	2.7	Reference Range: 1.9-3.7 g/dL (calc)
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ALBUMIN/GLOBULIN RATIO	1.7	Reference Range: 1.0-2.5 (calc)
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BILIRUBIN, TOTAL	0.5	Reference Range: 0.2-1.2 mg/dL
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ALKALINE PHOSPHATASE	56	Reference Range: 40-115 U/L
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AST	32	Reference Range: 10-40 U/L
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ALT	46	Reference Range: 9-46 U/L
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**T3 REVERSE, LC/MS/MS**

T3 REVERSE, LC/MS/MS	16	Reference Range: 8-25 ng/dL See Note 1
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**DIHYDROTESTOSTERONE**

<b>DIHYDROTESTOSTERONE, LC/MS/MS</b>	<b>27</b>	Reference Range: 16-79 ng/dL
<p>This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.</p>		
<b>SEX HORMONE BINDING GLOBULIN</b>		
<b>SEX HORMONE BINDING GLOBULIN</b>	<b>18</b>	Reference Range: 10-50 nmol/L
<b>IRON, TOTAL</b>		
<b>IRON, TOTAL</b>	<b>95</b>	Reference Range: 50-180 mcg/dL
<b>THYROGLOBULIN ANTIBODIES</b>		
<b>THYROGLOBULIN ANTIBODIES</b>	<b>&lt;1</b>	Reference Range: < or = 1 IU/mL
<b>DHEA SULFATE</b>		
<b>DHEA SULFATE</b>	<b>187</b>	Reference Range: 70-495 mcg/dL
<p>DHEA-S values fall with advancing age. For reference, the reference intervals for 31-40 year old patients are:</p> <p>Male: 106-464 mcg/dL Female: 23-266 mcg/dL</p>		
<b>FERRITIN</b>		
<b>FERRITIN</b>	<b>128</b>	Reference Range: 20-380 ng/mL
<b>THYROID PANEL WITH TSH</b>		
<b>T3 UPTAKE</b>	<b>34</b>	Reference Range: 22-35 %
<b>T4 (THYROXINE), TOTAL</b>	<b>5.6</b>	Reference Range: 4.5-12.0 mcg/dL
<b>FREE T4 INDEX (T7)</b>	<b>1.9</b>	Reference Range: 1.4-3.8
<b>TSH</b>	<b>2.03</b>	Reference Range: 0.40-4.50 mIU/L

Note 1 This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

**Performing Sites**

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