

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL	196		<200 mg/dL	NL1
HDL CHOLESTEROL	88		> OR = 40 mg/dL	NL1
TRIGLYCERIDES	39		<150 mg/dL	NL1
LDL-CHOLESTEROL	97		mg/dL (calc)	NL1
Reference range: <100				
Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with > or = 2 CHD risk factors.				
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 ( <a href="http://education.questdiagnostics.com/faq/FAQ164">http://education.questdiagnostics.com/faq/FAQ164</a> )				
CHOL/HDL-C RATIO	2.2		<5.0 (calc)	NL1
NON HDL CHOLESTEROL	108		<130 mg/dL (calc)	NL1
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.				
COMPREHENSIVE METABOLIC PANEL				NL1
GLUCOSE	80		65-99 mg/dL	
Fasting reference interval				
UREA NITROGEN (BUN)	20		7-25 mg/dL	
CREATININE	1.20		0.60-1.26 mg/dL	
EGFR	82		> OR = 60 mL/min/1.73m2	
The eGFR is based on the CKD-EPI 2021 equation. To calculate the new eGFR from a previous Creatinine or Cystatin C result, go to <a href="https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator">https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator</a>				
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	136		135-146 mmol/L	
POTASSIUM	4.6		3.5-5.3 mmol/L	
CHLORIDE	101		98-110 mmol/L	
CARBON DIOXIDE	28		20-32 mmol/L	
CALCIUM	10.1		8.6-10.3 mg/dL	
PROTEIN, TOTAL	7.2		6.1-8.1 g/dL	
ALBUMIN	4.5		3.6-5.1 g/dL	
GLOBULIN	2.7		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.7		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.8		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	45		36-130 U/L	
AST		81 H	10-40 U/L	
ALT	31		9-46 U/L	
TSH	1.71		0.40-4.50 mIU/L	NL1
T4, FREE	1.3		0.8-1.8 ng/dL	NL1

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T3, FREE	3.6		2.3-4.2 pg/mL	NL1
IGF 1, LC/MS	132		53-331 ng/mL	EZ
Z SCORE (MALE)	-0.2		-2.0 - +2.0 SD	

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.

DIHYDROTESTOSTERONE				EZ
DIHYDROTESTOSTERONE, LC/MS/MS	76 H		12-65 ng/dL	

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CBC (INCLUDES DIFF/PLT)				NL1
WHITE BLOOD CELL COUNT	4.9		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	4.66		4.20-5.80 Million/uL	
HEMOGLOBIN	14.0		13.2-17.1 g/dL	
HEMATOCRIT	41.8		38.5-50.0 %	
MCV	89.7		80.0-100.0 fL	
MCH	30.0		27.0-33.0 pg	
MCHC	33.5		32.0-36.0 g/dL	
RDW	12.7		11.0-15.0 %	
PLATELET COUNT	304		140-400 Thousand/uL	
MPV	9.4		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	2411		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1891		850-3900 cells/uL	
ABSOLUTE MONOCYTES	441		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	98		15-500 cells/uL	
ABSOLUTE BASOPHILS	59		0-200 cells/uL	
NEUTROPHILS	49.2		%	
LYMPHOCYTES	38.6		%	
MONOCYTES	9.0		%	
EOSINOPHILS	2.0		%	
BASOPHILS	1.2		%	
DHEA SULFATE	280		93-415 mcg/dL	NL1
PROLACTIN	7.1		2.0-18.0 ng/mL	NL1
SEX HORMONE BINDING GLOBULIN		58 H	10-50 nmol/L	NL1
PSA (FREE AND TOTAL)				NL1
PSA, TOTAL	0.3		< OR = 4.0 ng/mL	
PSA, FREE	0.2		ng/mL	
PSA, % FREE	67		>25 % (calc)	

PSA (ng/mL)	Free PSA (%)	Estimated(x) Probability of Cancer (as%)
0-2.5	(*)	Approx. 1
2.6-4.0 (1)	0-27 (2)	24 (3)

TESTOSTERONE, FREE  
(DIALYSIS) AND TOTAL,MS  
TESTOSTERONE, TOTAL, MS

883

250-1100 ng/dL

AMD

For additional information, please refer to  
[http://education.questdiagnostics.com/faq/  
TotalTestosteroneLCMSMSFAQ165](http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMSFAQ165)  
(This link is being provided for informational/  
educational purposes only.)

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.

TESTOSTERONE, FREE

112.1

35.0-155.0 pg/mL

#### Endocrinology

#### Test Name

#### Result

#### Reference Range

#### Lab

ESTRADIOL,ULTRA SENSITIVE, LC/MS

33 H

< OR = 29 pg/mL

EZ

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Physician Comments: