

Patient Information	Specimen Information	Client Information

COMMENTS: FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL	182		<200 mg/dL	UL
HDL CHOLESTEROL		38 L	> OR = 40 mg/dL	UL
TRIGLYCERIDES		287 H	<150 mg/dL	UL

If a non-fasting specimen was collected, consider repeat triglyceride testing on a fasting specimen if clinically indicated.  
Jacobson et al. J. of Clin. Lipidol. 2015;9:129-169.

LDL-CHOLESTEROL	103 H	mg/dL (calc)	UL
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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  
(<http://education.QuestDiagnostics.com/faq/FAQ164>)

CHOL/HDL-C RATIO	4.8	<5.0 (calc)	UL
NON HDL CHOLESTEROL	144 H	<130 mg/dL (calc)	UL

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			UL
GLUCOSE	127 H	65-99 mg/dL	

Fasting reference interval

For someone without known diabetes, a glucose value >125 mg/dL indicates that they may have diabetes and this should be confirmed with a follow-up test.

UREA NITROGEN (BUN)	10	7-25 mg/dL	
CREATININE	1.19	0.70-1.30 mg/dL	
EGFR	72	> OR = 60 mL/min/1.73m <sup>2</sup>	
BUN/CREATININE RATIO	SEE NOTE:	6-22 (calc)	
	Not Reported: BUN and Creatinine are within reference range.		

SODIUM	138	135-146 mmol/L	
POTASSIUM	4.2	3.5-5.3 mmol/L	
CHLORIDE	103	98-110 mmol/L	
CARBON DIOXIDE	28	20-32 mmol/L	
CALCIUM	9.1	8.6-10.3 mg/dL	

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PROTEIN, TOTAL	7.0		6.1-8.1 g/dL	
ALBUMIN	4.3		3.6-5.1 g/dL	
GLOBULIN	2.7		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.6		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.7		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	48		35-144 U/L	
AST	28		10-35 U/L	
ALT	37		9-46 U/L	

CBC (INCLUDES DIFF/PLT)				UL
WHITE BLOOD CELL COUNT	6.3		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	5.44		4.20-5.80 Million/uL	
HEMOGLOBIN	15.5		13.2-17.1 g/dL	
HEMATOCRIT	46.4		38.5-50.0 %	
MCV	85.3		80.0-100.0 fL	
MCH	28.5		27.0-33.0 pg	
MCHC	33.4		32.0-36.0 g/dL	
RDW	14.0		11.0-15.0 %	
PLATELET COUNT		137 L	140-400 Thousand/uL	
MPV		14.3 H	7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	3459		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	2066		850-3900 cells/uL	
ABSOLUTE MONOCYTES	586		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	170		15-500 cells/uL	
ABSOLUTE BASOPHILS	19		0-200 cells/uL	
NEUTROPHILS	54.9		%	
LYMPHOCYTES	32.8		%	
MONOCYTES	9.3		%	
EOSINOPHILS	2.7		%	
BASOPHILS	0.3		%	

#### PERFORMING SITE:

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