

Patient Information	Specimen Information	Client Information
<b>DOB: AGE:</b> Gender: Phone: Patient ID: Health ID:	Specimen: Requisition: Lab Ref #: Collected: Received: Reported:	

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL, STANDARD				
<b>CHOLESTEROL, TOTAL</b>		<b>249 H</b>	<200 mg/dL	
HDL CHOLESTEROL	92		>40 mg/dL	
TRIGLYCERIDES	66		<150 mg/dL	
<b>LDL-CHOLESTEROL</b>		<b>141 H</b>	mg/dL (calc)	
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	2.7		<5.0 (calc)	
<b>NON HDL CHOLESTEROL</b>		<b>157 H</b>	<130 mg/dL (calc)	
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				
<b>GLUCOSE</b>		<b>101 H</b>	65-99 mg/dL	
			Fasting reference interval	
For someone without known diabetes, a glucose value between 100 and 125 mg/dL is consistent with prediabetes and should be confirmed with a follow-up test.				
UREA NITROGEN (BUN)	12		7-25 mg/dL	
CREATININE	0.87		0.70-1.33 mg/dL	
For patients >49 years of age, the reference limit for Creatinine is approximately 13% higher for people identified as African-American.				
eGFR NON-AFR. AMERICAN	99		> OR = 60 mL/min/1.73m <sup>2</sup>	
eGFR AFRICAN AMERICAN	115		> OR = 60 mL/min/1.73m <sup>2</sup>	
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	139		135-146 mmol/L	
POTASSIUM	3.9		3.5-5.3 mmol/L	
CHLORIDE	101		98-110 mmol/L	
CARBON DIOXIDE	28		20-32 mmol/L	
CALCIUM	9.8		8.6-10.3 mg/dL	
PROTEIN, TOTAL	8.0		6.1-8.1 g/dL	
ALBUMIN	5.0		3.6-5.1 g/dL	
GLOBULIN	3.0		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	

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ALKALINE PHOSPHATASE	99		40-115 U/L	
AST	26		10-35 U/L	
ALT	26		9-46 U/L	
<b>CAROTENE</b>		<b>234 H</b>	4-51 mcg/dL	

Assay was repeated and verified.

Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of the results.

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.

VITAMIN A (RETINOL)	77		38-98 mcg/dL	
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VITAMIN B6, PLASMA	18.0		2.1-21.7 ng/mL	
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VITAMIN E (TOCOPHEROL)				
ALPHA-TOCOPHEROL	18.8		5.7-19.9 mg/L	

Levels of alpha-tocopherol <5 mg/L are consistent with Vitamin E deficiency in adults.

BETA-GAMMA-TOCOPHEROL	<1.0		<=4.3 mg/L	
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VITAMIN B1 (THIAMINE),  
BLOOD, LC/MS/MS

113

78-185 nmol/L

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COENZYME Q10

1.34

0.44-1.64 mg/L

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CBC (INCLUDES DIFF/PLT)

WHITE BLOOD CELL COUNT	5.9	3.8-10.8 Thousand/uL
RED BLOOD CELL COUNT	4.72	4.20-5.80 Million/uL
HEMOGLOBIN	14.7	13.2-17.1 g/dL
HEMATOCRIT	43.5	38.5-50.0 %
MCV	92.2	80.0-100.0 fL
MCH	31.1	27.0-33.0 pg
MCHC	33.8	32.0-36.0 g/dL
RDW	12.0	11.0-15.0 %
PLATELET COUNT	257	140-400 Thousand/uL
MPV	11.6	7.5-12.5 fL
ABSOLUTE NEUTROPHILS	3463	1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	1847	850-3900 cells/uL
ABSOLUTE MONOCYTES	389	200-950 cells/uL
ABSOLUTE EOSINOPHILS	142	15-500 cells/uL
ABSOLUTE BASOPHILS	59	0-200 cells/uL
NEUTROPHILS	58.7	%
LYMPHOCYTES	31.3	%
MONOCYTES	6.6	%
EOSINOPHILS	2.4	%
BASOPHILS	1.0	%

URINALYSIS, COMPLETE

COLOR	YELLOW	YELLOW
APPEARANCE	CLEAR	CLEAR
SPECIFIC GRAVITY	1.004	1.001-1.035

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PH	7.5		5.0-8.0	
GLUCOSE	NEGATIVE		NEGATIVE	
BILIRUBIN	NEGATIVE		NEGATIVE	
KETONES	NEGATIVE		NEGATIVE	
OCCULT BLOOD	NEGATIVE		NEGATIVE	
PROTEIN	NEGATIVE		NEGATIVE	
NITRITE	NEGATIVE		NEGATIVE	
LEUKOCYTE ESTERASE	NEGATIVE		NEGATIVE	
WBC	NONE SEEN		< OR = 5 /HPF	
RBC	NONE SEEN		< OR = 2 /HPF	
SQUAMOUS EPITHELIAL CELLS	NONE SEEN		< OR = 5 /HPF	
BACTERIA	NONE SEEN		NONE SEEN /HPF	
HYALINE CAST	NONE SEEN		NONE SEEN /LPF	
IRON AND TOTAL IRON BINDING CAPACITY				
IRON, TOTAL	165		50-180 mcg/dL	
<b>IRON BINDING CAPACITY</b>		<b>438 H</b>	250-425 mcg/dL (calc)	
% SATURATION	38		15-60 % (calc)	
VITAMIN B12/FOLATE, SERUM PANEL				
VITAMIN B12	542		200-1100 pg/mL	
FOLATE, SERUM	>24.0		ng/mL	
			Reference Range	
			Low: <3.4	
			Borderline: 3.4-5.4	
			Normal: >5.4	
PREALBUMIN	33		21-43 mg/dL	
VITAMIN C				
VITAMIN C	1.0		0.2-2.1 mg/dL	

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**Endocrinology**

Test Name	Result	Reference Range	Lab
<b>VITAMIN D,25-OH,TOTAL,IA</b>	<b>24 L</b>	30-100 ng/mL	

Vitamin D Status                    25-OH Vitamin D:  
 Deficiency:                            <20 ng/mL  
 Insufficiency:                        20 - 29 ng/mL  
 Optimal:                                > or = 30 ng/mL

For 25-OH Vitamin D testing on patients on D2-supplementation and patients for whom quantitation of D2 and D3 fractions is required, the QuestAssureD(TM) 25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order code 92888 (patients >2yrs).

For more information on this test, go to: <http://education.questdiagnostics.com/faq/FAQ163> (This link is being provided for informational/educational purposes only.)

Physician Comments:

**PERFORMING SITE:**