

Patient Information	Specimen Information	Client Information

COMMENTS: FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL	176		<200 mg/dL	TP
HDL CHOLESTEROL		43 L	> OR = 50 mg/dL	TP
TRIGLYCERIDES	102		<150 mg/dL	TP
LDL-CHOLESTEROL		113 H	mg/dL (calc)	TP
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/HDLRATIO	4.1		<5.0 (calc)	TP
NON HDL CHOLESTEROL		133 H	<130 mg/dL (calc)	TP
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				TP
GLUCOSE	72		65-99 mg/dL	
Fasting reference interval				
UREA NITROGEN (BUN)	8		7-25 mg/dL	
CREATININE		0.54 L	0.60-1.00 mg/dL	
EGFR	99		> OR = 60 mL/min/1.73m ²	
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 https://www.kidney.org/professionals/ kdoqi/gfr%5Fcalculator				
BUN/CREATININE RATIO	15		6-22 (calc)	
SODIUM	142		135-146 mmol/L	
POTASSIUM	3.7		3.5-5.3 mmol/L	
CHLORIDE	105		98-110 mmol/L	
CARBON DIOXIDE	27		20-32 mmol/L	
CALCIUM	9.1		8.6-10.4 mg/dL	
PROTEIN, TOTAL	7.2		6.1-8.1 g/dL	
ALBUMIN	4.0		3.6-5.1 g/dL	
GLOBULIN	3.2		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.3		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.9		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	104		37-153 U/L	
AST	31		10-35 U/L	
ALT	6		6-29 U/L	
GGT	24		3-65 U/L	TP

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CBC (INCLUDES DIFF/PLT)				TP
WHITE BLOOD CELL COUNT		3.4 L	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	4.31		3.80-5.10 Million/uL	
HEMOGLOBIN	13.9		11.7-15.5 g/dL	
HEMATOCRIT	39.8		35.0-45.0 %	
MCV	92.3		80.0-100.0 fL	
MCH	32.3		27.0-33.0 pg	
MCHC	34.9		32.0-36.0 g/dL	
RDW	12.2		11.0-15.0 %	
PLATELET COUNT		64 L	140-400 Thousand/uL	
MPV	12.3		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	1935		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1027		850-3900 cells/uL	
ABSOLUTE MONOCYTES	330		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	88		15-500 cells/uL	
ABSOLUTE BASOPHILS	20		0-200 cells/uL	
NEUTROPHILS	56.9		%	
LYMPHOCYTES	30.2		%	
MONOCYTES	9.7		%	
EOSINOPHILS	2.6		%	
BASOPHILS	0.6		%	
COMMENT(S)	Review of peripheral smear confirms automated results.			
URINALYSIS, COMPLETE				TP
COLOR	DARK YELLOW		YELLOW	
APPEARANCE	CLEAR		CLEAR	
SPECIFIC GRAVITY	1.016		1.001-1.035	
PH	7.0		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	0-5		< OR = 5 /HPF	
BACTERIA	NONE SEEN		NONE SEEN /HPF	
HYALINE CAST	NONE SEEN		NONE SEEN /LPF	
	This urine was analyzed for the presence of WBC, RBC, bacteria, casts, and other formed elements. Only those elements seen were reported.			
IRON AND TOTAL IRON				TP
BINDING CAPACITY				
IRON, TOTAL	137		45-160 mcg/dL	
IRON BINDING CAPACITY	359		250-450 mcg/dL (calc)	
% SATURATION	38		16-45 % (calc)	
VITAMIN B12/FOLATE, SERUM PANEL				TP
VITAMIN B12		1116 H	200-1100 pg/mL	
FOLATE, SERUM	7.3		ng/mL Reference Range	

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			Low: <3.4 Borderline: 3.4-5.4 Normal: >5.4	

PREALBUMIN

COENZYME Q10

0.53

12 L

17-34 mg/dL

>0.35 ug/mL

TP

Z4M

Coenzyme Q10 is a key component of the electron transport chain, which creates energy. It is also involved in antioxidant pathways, including the regeneration of the protective functions of Vitamin E. CoQ10 may interact with the anticoagulant (blood thinner) warfarin and the diabetes drug insulin, and it may not be compatible with some types of cancer treatment. For more information, visit <https://www.nccih.nih.gov/health/coenzyme-q10/> This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Cardiometabolic Center of Excellence at Cleveland HeartLab. 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.

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Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	27 L	30-100 ng/mL	TP
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 additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ199 (This link is being provided for informational/ educational purposes only.)			
Physician Comments:			

PERFORMING SITE:

TP QUEST DIAGNOSTICS-TAMPA, 4225 E. FOWLER AVE, TAMPA, FL 33617-2026 Laboratory Director: WESTON H ROTHROCK,MD, CLIA: 10D0291120
 Z4M CLEVELAND HEARTLAB INC, 6701 CARNEGIE AVENUE SUITE 500, CLEVELAND, OH 44103-4623 Laboratory Director: BILL G RICHENDOLLAR,MD, CLIA: 36D1032987