Quest Diagnostics

Report Status: Final

Patient Information	Specimen Information	Client Information
DOB: **AGE:** Gender: Fasting: Phone: Patient ID: Health ID:	Specimen: Requisition: Lab Ref #: Collected: Received: Reported:	REQUEST A TEST - PWN HEALTH 7027 MILL RD STE 201 BRECKSVILLE, OH 44141-1852

COMMENTS: FASTING:YES

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL	162		<200 mg/dL	
HDL CHOLESTEROL	78		> OR = 50 mg/dL	
TRIGLYCERIDES	50		<150 mg/dL	
LDL-CHOLESTEROL	72		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 (http://education.QuestDiagnostics.com/faq/FAQ164)				
CHOL/HDLC RATIO	2.1		<5.0 (calc)	
NON HDL CHOLESTEROL	84		<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.				
HOMOCYSTEINE	6.5		<10.4 umol/L	
Homocysteine is increased by functional deficiency of folate or vitamin B12. Testing for methylmalonic acid differentiates between these deficiencies. Other causes of increased homocysteine include renal failure, folate antagonists such as methotrexate and phenytoin, and exposure to nitrous oxide. Selhub J, et al., Ann Intern Med. 1999;131(5):331-9.				
COMPREHENSIVE METABOLIC PANEL				
GLUCOSE	93		65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN(BUN)	10		7-25 mg/dL	
CREATININE	0.96		0.50-1.03 mg/dL	
EGFR	72		> 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 https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator				
BUN/CREATININE RATIO			6-22 (calc)	
SODIUM	138		135-146 mmol/L	
POTASSIUM	4.6		3.5-5.3 mmol/L	
CHLORIDE	103		98-110 mmol/L	
CARBON DIOXIDE	30		20-32 mmol/L	
CALCIUM	10.0		8.6-10.4 mg/dL	
PROTEIN, TOTAL	7.1		6.1-8.1 g/dL	
ALBUMIN	4.9		3.6-5.1 g/dL	

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GLOBULIN	2.2		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	2.2		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.7		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	95		37-153 U/L	
AST	29		10-35 U/L	
ALT	29		6-29 U/L	
TSH	2.71		mIU/L Reference Range > or = 20 Years 0.40-4.50 Pregnancy Ranges First trimester 0.26-2.66 Second trimester 0.55-2.73 Third trimester 0.43-2.91	
IODINE, RANDOM URINE	60		34-523 mcg/L	

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.

CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	4.0		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	4.81		3.80-5.10 Million/uL	
HEMOGLOBIN	14.9		11.7-15.5 g/dL	
HEMATOCRIT	44.5		35.0-45.0 %	
MCV	92.5		80.0-100.0 fL	
MCH	31.0		27.0-33.0 pg	
MCHC	33.5		32.0-36.0 g/dL	
RDW	12.3		11.0-15.0 %	
PLATELET COUNT	176		140-400 Thousand/uL	
MPV	12.4		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	2572		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1016		850-3900 cells/uL	
ABSOLUTE MONOCYTES	300		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	60		15-500 cells/uL	
ABSOLUTE BASOPHILS	52		0-200 cells/uL	
NEUTROPHILS	64.3		%	
LYMPHOCYTES	25.4		%	
MONOCYTES	7.5		%	
EOSINOPHILS	1.5		%	
BASOPHILS	1.3		%	
IRON AND TOTAL IRON BINDING CAPACITY				
IRON, TOTAL	156		45-160 mcg/dL	
IRON BINDING CAPACITY	341		250-450 mcg/dL (calc)	
% SATURATION	33		16-45 % (calc)	

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Test Name	In Range	Out Of Range	Reference Range	Lab
FERRITIN	227		16-232 ng/mL	
VITAMIN B12/FOLATE, SERUM PANEL				
VITAMIN B12	302.0		200-1100 pg/mL	
FOLATE, SERUM	>24.0		ng/mL Reference Range Low: <3.4 Borderline: 3.4-5.4 Normal: >5.4	
METHYLMALONIC ACID	140		87-318 nmol/L	

See Endnote 1

Endnote 1

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Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	41	30-100 ng/mL	CB

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:

CLIENT SERVICES: SPECIMEN: