Quest Diagnostics

Report Status: Final

Patient Information	Specimen Information	Client Information

COMMENTS: FASTING:YES

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL	183		<200 mg/dL	KS
HDL CHOLESTEROL	70		> OR = 50 mg/dL	KS
TRIGLYCERIDES	124		<150 mg/dL	KS
LDL-CHOLESTEROL	88		mg/dL (calc)	KS
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	2.6		<5.0 (calc)	KS
NON HDL CHOLESTEROL	112		<130 mg/dL (calc)	KS
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				KS
GLUCOSE	97		65-99 mg/dL Fasting reference interval	
UREA NITROGEN (BUN)	18		7-25 mg/dL	
CREATININE	0.71		0.50-1.05 mg/dL	
EGFR	93		> 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	NOT APPLICABLE		6-22 (calc)	
SODIUM	136		135-146 mmol/L	
POTASSIUM	4.2		3.5-5.3 mmol/L	
CHLORIDE	102		98-110 mmol/L	
CARBON DIOXIDE	25		20-32 mmol/L	
CALCIUM	8.9		8.6-10.4 mg/dL	
PROTEIN, TOTAL	6.1		6.1-8.1 g/dL	
ALBUMIN	4.1		3.6-5.1 g/dL	
GLOBULIN	2.0		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	2.1		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.4		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	55		37-153 U/L	
AST	19		10-35 U/L	
ALT	20		6-29 U/L	
CBC (INCLUDES DIFF/PLT)				KS
WHITE BLOOD CELL COUNT	5.3		3.8-10.8 Thousand/uL	

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RED BLOOD CELL COUNT		3.75 L	3.80-5.10 Million/uL	
HEMOGLOBIN	12.5		11.7-15.5 g/dL	
HEMATOCRIT	37.3		35.0-45.0 %	
MCV	99.5		80.0-100.0 fL	
MCH		33.3 H	27.0-33.0 pg	
MCHC	33.5		32.0-36.0 g/dL	
RDW	11.8		11.0-15.0 %	
PLATELET COUNT	261		140-400 Thousand/uL	
MPV		12.6 H	7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	3424		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1267		850-3900 cells/uL	
ABSOLUTE MONOCYTES	419		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	148		15-500 cells/uL	
ABSOLUTE BASOPHILS	44		0-200 cells/uL	
NEUTROPHILS	64.6		%	
LYMPHOCYTES	23.9		%	
MONOCYTES	7.9		%	
EOSINOPHILS	2.8		%	
BASOPHILS	0.8		%	
URINALYSIS, COMPLETE				KS
COLOR	YELLOW		YELLOW	
APPEARANCE	CLEAR		CLEAR	
SPECIFIC GRAVITY	1.006		1.001-1.035	
PH	5.5		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				KS
IRON, TOTAL	83		45-160 mcg/dL	
IRON BINDING CAPACITY	322		250-450 mcg/dL (calc)	
% SATURATION	26		16-45 % (calc)	
VITAMIN B12/FOLATE, SERUM PANEL				KS
VITAMIN B12	453		200-1100 pg/mL	
FOLATE, SERUM	>24.0		ng/mL Reference Range Low: <3.4 Borderline: 3.4-5.4 Normal: >5.4	
PREALBUMIN	30		17-34 mg/dL	KS
VITAMIN E (TOCOPHEROL)				SLI
VITAMIN E, ALPHA TOCOPHEROL	14.7		mg/L Reference Range 5.7-19.9 mg/L	

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			Levels of alpha-tocopherol <5 mg/L are consistent with Vitamin E deficiency in adults.	
Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.				
See Endnote 1				
VITAMIN E, BETA GAMMA TOCOPHEROL	<1.0		<4.4 mg/L	
See Endnote 1				
CAROTENE	25		6-77 mcg/dL	SLI
Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.				
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.				
VITAMIN C				SLI
VITAMIN C	1.1		0.3-2.7 mg/dL	
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VITAMIN B1 (THIAMINE), BLOOD, LC/MS/MS	148		78-185 nmol/L	SLI
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VITAMIN A (RETINOL)	95		38-98 mcg/dL	SLI
**Clin Chem Vol. 34.No.8. pp1625-1628. 1998				
Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of results.				
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VITAMIN B6, PLASMA		**31.0 H**	2.1-21.7 ng/mL	Z3E
(Note) VITAMIN SUPPLEMENTATION WITHIN 24 HOURS PRIOR TO BLOOD DRAW MAY AFFECT THE ACCURACY OF RESULTS.				
THIS TEST WAS DEVELOPED AND ITS ANALYTICAL PERFORMANCE				

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CHARACTERISTICS HAVE BEEN DETERMINED BY MEDFUSION. IT HAS NOT BEEN CLEARED OR APPROVED BY THE FDA. THIS ASSAY HAS BEEN VALIDATED PURSUANT TO THE CLIA REGULATIONS AND IS USED FOR CLINICAL PURPOSES.

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COENZYME Q10 0.55 >0.35 ug/mL 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.

Endnote 1

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

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Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	46	30-100 ng/mL	KS

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Vitamin D Status          25-OH Vitamin D:

Deficiency:                     <20 ng/mL
Insufficiency:            20 - 29 ng/mL
Optimal:                  > or = 30 ng/mL
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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:

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