Quest Diagnostics

Report Status: Final

Patient Information	Specimen Information	Client Information
DOB: **AGE:** Gender: Phone: Patient ID:	Specimen: Requisition: Lab Ref #: Collected: Received: Reported:	

COMMENTS: FASTING:YES

Test Name	In Range	Out Of Range	Reference Range	Lab
THYROID PANEL WITH TSH				
THYROID PANEL				
T3 UPTAKE		**37 H**	22-35 %	
T4 (THYROXINE), TOTAL	6.1		4.9-10.5 mcg/dL	
FREE T4 INDEX (T7)	2.3		1.4-3.8	
TSH	1.44		0.40-4.50 mIU/L	
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL	178		<200 mg/dL	
HDL CHOLESTEROL		**36 L**	>40 mg/dL	
TRIGLYCERIDES	86		<150 mg/dL	
LDL-CHOLESTEROL		**123 H**	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	4.9		<5.0 (calc)	
NON HDL CHOLESTEROL		**142 H**	<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				
GLUCOSE		**117 H**	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)	22		7-25 mg/dL	
CREATININE	0.77		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	102		> OR = 60 mL/min/1.73m2	
eGFR AFRICAN AMERICAN	118		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	139		135-146 mmol/L	
POTASSIUM	4.5		3.5-5.3 mmol/L	
CHLORIDE	108		98-110 mmol/L	

Patient Information	Specimen Information	Client Information
DOB: **AGE:** Gender: Patient ID:	Specimen: Collected: Received: Reported:	

Test Name	In Range	Out Of Range	Reference Range	Lab
CARBON DIOXIDE	24		20-32 mmol/L	
CALCIUM	9.7		8.6-10.3 mg/dL	
PROTEIN, TOTAL	7.8		6.1-8.1 g/dL	
ALBUMIN	4.5		3.6-5.1 g/dL	
GLOBULIN	3.3		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.4		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.4		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	68		40-115 U/L	
AST	15		10-35 U/L	
ALT	11		9-46 U/L	
PHOSPHATE (AS PHOSPHORUS)	2.9		2.5-4.5 mg/dL	
URIC ACID	4.0		4.0-8.0 mg/dL	
Therapeutic target for gout patients: <6.0 mg/dL				
LD		102 L	120-250 U/L	
GGT	17		3-85 U/L	
IGF 1, LC/MS	197		50-317 ng/mL	
Z SCORE (MALE)	0.8		-2.0 - +2.0 SD	

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

CBC (INCLUDES DIFF/PLT)			
WHITE BLOOD CELL COUNT	9.7		3.8-10.8 Thousand/uL
RED BLOOD CELL COUNT	5.56		4.20-5.80 Million/uL
HEMOGLOBIN	16.5		13.2-17.1 g/dL
HEMATOCRIT	47.9		38.5-50.0 %
MCV	86.2		80.0-100.0 fL
MCH	29.7		27.0-33.0 pg
MCHC	34.4		32.0-36.0 g/dL
RDW	14.1		11.0-15.0 %
PLATELET COUNT	208		140-400 Thousand/uL
MPV	10.9		7.5-12.5 fL
ABSOLUTE NEUTROPHILS	6392		1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	2483		850-3900 cells/uL
ABSOLUTE MONOCYTES	601		200-950 cells/uL
ABSOLUTE EOSINOPHILS	184		15-500 cells/uL
ABSOLUTE BASOPHILS	39		0-200 cells/uL
NEUTROPHILS	65.9		%
LYMPHOCYTES	25.6		%
MONOCYTES	6.2		%
EOSINOPHILS	1.9		%
BASOPHILS	0.4		%
URINALYSIS, COMPLETE			
COLOR	YELLOW		YELLOW
APPEARANCE	CLEAR		CLEAR
SPECIFIC GRAVITY	1.021		1.001-1.035
PH	5.5		5.0-8.0
GLUCOSE	NEGATIVE		NEGATIVE
BILIRUBIN	NEGATIVE		NEGATIVE
KETONES	NEGATIVE		NEGATIVE
OCCULT BLOOD	NEGATIVE		NEGATIVE

Patient Information	Specimen Information	Client Information
DOB: **AGE:** Gender: Patient ID:	Specimen: Collected: Received: Reported:	

Test Name	In Range	Out Of Range	Reference Range	Lab
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	51		50-180 mcg/dL	
IRON BINDING CAPACITY	343		250-425 mcg/dL (calc)	
% SATURATION	15		15-60 % (calc)	
PSA, TOTAL	1.4		< OR = 4.0 ng/mL	

The total PSA value from this assay system is standardized against the WHO standard. The test result will be approximately 20% lower when compared to the equimolar-standardized total PSA (Beckman Coulter). Comparison of serial PSA results should be interpreted with this fact in mind.

This test was performed using the Siemens chemiluminescent method. Values obtained from different assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

TESTOSTERONE, FREE (DIALYSIS) AND TOTAL,MS				
TESTOSTERONE, TOTAL, MS	345		250-1100 ng/dL	

For additional information, please refer to http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMSFAQ165 (This link is being provided for informational/educational purposes only.)

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.

TESTOSTERONE, FREE	61.4		35.0-155.0 pg/mL	

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.

Patient Information	Specimen Information	Client Information
DOB: **AGE:** Gender: Patient ID:	Specimen: Collected: Received: Reported:	

Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	36	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:

QUEST DIAGNOSTICS/NICHOLS CHANTILLY, 14225 NEWBROOK DRIVE, CHANTILLY, VA 20151-2228 Laboratory Director: PATRICK W. MASON,MD,PHD, CLIA: 49D0221801
QUEST DIAGNOSTICS/NICHOLS SJC, 33608 ORTEGA HWY, SAN JUAN CAPISTRANO, CA 92675-2042 Laboratory Director: IRINA MARAMICA,MD,PHD,MBA, CLIA: 05D0643352
QUEST DIAGNOSTICS-TAMPA, 4225 E. FOWLER AVE, TAMPA, FL 33617-2026 Laboratory Director: GLEN L HORTIN,MD,PHD, CLIA: 10D0291120