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	23		22-35 %	
T4 (THYROXINE), TOTAL	10.1		5.1-11.9 mcg/dL	
FREE T4 INDEX (T7)	2.2		1.4-3.8	
TSH	2.62		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	
LIPID PANEL, STANDARD				
CHOLESTEROL, TOTAL		**220 H**	<200 mg/dL	
HDL CHOLESTEROL	57		>50 mg/dL	
TRIGLYCERIDES		**263 H**	<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	3.9		<5.0 (calc)	
NON HDL CHOLESTEROL		**163 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	91		65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN (BUN)	16		7-25 mg/dL	
CREATININE	0.84		0.50-1.10 mg/dL	
eGFR NON-AFR. AMERICAN	85		> OR = 60 mL/min/1.73m2	
eGFR AFRICAN AMERICAN	99		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	140		135-146 mmol/L	
POTASSIUM	4.0		3.5-5.3 mmol/L	
CHLORIDE	107		98-110 mmol/L	
CARBON DIOXIDE	23		20-32 mmol/L	

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CALCIUM	9.5		8.6-10.2 mg/dL	
PROTEIN, TOTAL	7.4		6.1-8.1 g/dL	
ALBUMIN	4.8		3.6-5.1 g/dL	
GLOBULIN	2.6		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.8		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.6		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	66		33-115 U/L	
AST	14		10-30 U/L	
ALT	9		6-29 U/L	
PHOSPHATE (AS PHOSPHORUS)	2.5		2.5-4.5 mg/dL	
URIC ACID	4.1		2.5-7.0 mg/dL	
Therapeutic target for gout patients: <6.0 mg/dL				
LD	159		100-200 U/L	
GGT	18		3-55 U/L	
IGF 1, LC/MS	124		52-328 ng/mL	
Z SCORE (FEMALE)	-0.3		-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	7.0		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	4.98		3.80-5.10 Million/uL	
HEMOGLOBIN	14.8		11.7-15.5 g/dL	
HEMATOCRIT	44.1		35.0-45.0 %	
MCV	88.6		80.0-100.0 fL	
MCH	29.7		27.0-33.0 pg	
MCHC	33.6		32.0-36.0 g/dL	
RDW	13.0		11.0-15.0 %	
PLATELET COUNT	234		140-400 Thousand/uL	
MPV	11.9		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	4039		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	2198		850-3900 cells/uL	
ABSOLUTE MONOCYTES	497		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	217		15-500 cells/uL	
ABSOLUTE BASOPHILS	49		0-200 cells/uL	
NEUTROPHILS	57.7		%	
LYMPHOCYTES	31.4		%	
MONOCYTES	7.1		%	
EOSINOPHILS	3.1		%	
BASOPHILS	0.7		%	
URINALYSIS, COMPLETE				
COLOR	YELLOW		YELLOW	
APPEARANCE		**CLOUDY**	CLEAR	
SPECIFIC GRAVITY	1.023		1.001-1.035	
PH	5.5		5.0-8.0	
GLUCOSE	NEGATIVE		NEGATIVE	
BILIRUBIN	NEGATIVE		NEGATIVE	
KETONES	NEGATIVE		NEGATIVE	
OCCULT BLOOD		**1+**	NEGATIVE	
PROTEIN	NEGATIVE		NEGATIVE	

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NITRITE	NEGATIVE		NEGATIVE	
LEUKOCYTE ESTERASE		**3+**	NEGATIVE	
WBC		**40-60**	< OR = 5 /HPF	
RBC	0-2		< OR = 2 /HPF	
SQUAMOUS EPITHELIAL CELLS		**10-20**	< OR = 5 /HPF	
BACTERIA		**FEW**	NONE SEEN /HPF	
HYALINE CAST		**0-5**	NONE SEEN /LPF	
COMMENTS	FEW MUCOUS THREADS			
IRON AND TOTAL IRON BINDING CAPACITY				
IRON, TOTAL	67		40-190 mcg/dL	
IRON BINDING CAPACITY	371		250-450 mcg/dL (calc)	
% SATURATION	18		11-50 % (calc)	
ESTRADIOL	31		pg/mL	

Reference Range

Follicular Phase:	19-144
Mid-Cycle:	64-357
Luteal Phase:	56-214
Postmenopausal:	< or = 31

Reference range established on post-pubertal patient population. No pre-pubertal reference range established using this assay. For any patients for whom low Estradiol levels are anticipated (e.g. males, pre-pubertal children and hypogonadal/post-menopausal females), the Quest Diagnostics Nichols Institute Estradiol, Ultrasensitive, LCMSMS assay is recommended (order code 30289).

Please note: patients being treated with the drug fulvestrant (Faslodex(R)) have demonstrated significant interference in immunoassay methods for estradiol measurement. The cross reactivity could lead to falsely elevated estradiol test results leading to an inappropriate clinical assessment of estrogen status. Quest Diagnostics order code 30289-Estradiol, Ultrasensitive LC/MS/MS demonstrates negligible cross reactivity with fulvestrant.

TESTOSTERONE, FREE (DIALYSIS) AND TOTAL,MS				
TESTOSTERONE, TOTAL, MS	11		2-45 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.

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Test Name	In Range	Out Of Range	Reference Range	Lab
TESTOSTERONE, FREE	0.8		0.1-6.4 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.

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Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	26 L	30-100 ng/mL	

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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 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-BALTIMORE, 1901 SULPHUR SPRING ROAD, BALTIMORE, MD 21227-2943 Laboratory Director: EDGAR G KHALLUF,MD, CLIA: 21D0218877