

Patient Information	Specimen Information	Client Information

COMMENTS: FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
THYROID PANEL WITH TSH				
THYROID PANEL				TP
T3 UPTAKE	25		22-35 %	
T4 (THYROXINE), TOTAL	10.3		5.1-11.9 mcg/dL	
FREE T4 INDEX (T7)	2.8		1.4-3.8	
TSH	1.55		mIU/L	TP
			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	166		<200 mg/dL	TP
HDL CHOLESTEROL	62		> OR = 50 mg/dL	TP
TRIGLYCERIDES	93		<150 mg/dL	TP
LDL-CHOLESTEROL	85		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/HDL-C RATIO	2.7		<5.0 (calc)	TP
NON HDL CHOLESTEROL	104		<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	85		65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN (BUN)	11		7-25 mg/dL	
CREATININE	0.75		0.50-0.97 mg/dL	
EGFR	110		> OR = 60 mL/min/1.73m <sup>2</sup>	
BUN/CREATININE RATIO	SEE NOTE:		6-22 (calc)	
	Not Reported: BUN and Creatinine are within reference range.			
SODIUM	137		135-146 mmol/L	
POTASSIUM	4.1		3.5-5.3 mmol/L	

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CHLORIDE	106		98-110 mmol/L	
CARBON DIOXIDE	24		20-32 mmol/L	
CALCIUM	9.3		8.6-10.2 mg/dL	
PROTEIN, TOTAL	6.6		6.1-8.1 g/dL	
ALBUMIN	4.1		3.6-5.1 g/dL	
GLOBULIN	2.5		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.6		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.4		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	50		31-125 U/L	
AST	18		10-30 U/L	
ALT	14		6-29 U/L	
PHOSPHATE (AS PHOSPHORUS)	3.4		2.5-4.5 mg/dL	TP
<b>URIC ACID</b>		<b>2.2 L</b>	2.5-7.0 mg/dL	TP
Therapeutic target for gout patients: <6.0 mg/dL				
LD	104		100-200 U/L	TP
CREATINE KINASE, TOTAL	58		29-143 U/L	TP
GGT	14		3-50 U/L	TP
ALDOLASE	3.2		< OR = 8.1 U/L	TP
SED RATE BY MODIFIED WESTERGREN	6		< OR = 20 mm/h	TP
CBC (INCLUDES DIFF/PLT)				TP
WHITE BLOOD CELL COUNT	6.6		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	3.94		3.80-5.10 Million/uL	
HEMOGLOBIN	12.4		11.7-15.5 g/dL	
HEMATOCRIT	37.0		35.0-45.0 %	
MCV	93.9		80.0-100.0 fL	
MCH	31.5		27.0-33.0 pg	
MCHC	33.5		32.0-36.0 g/dL	
RDW	11.3		11.0-15.0 %	
PLATELET COUNT	280		140-400 Thousand/uL	
MPV	11.3		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	3555		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	2323		850-3900 cells/uL	
ABSOLUTE MONOCYTES	495		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	172		15-500 cells/uL	
ABSOLUTE BASOPHILS	59		0-200 cells/uL	
NEUTROPHILS	53.8		%	
LYMPHOCYTES	35.2		%	
MONOCYTES	7.5		%	
EOSINOPHILS	2.6		%	
BASOPHILS	0.9		%	
IRON, TOTAL	130		40-190 mcg/dL	TP
COMPLEMENT COMPONENT C3C	134		83-193 mg/dL	TP
RHEUMATOID FACTOR	<14		<14 IU/mL	TP
C-REACTIVE PROTEIN	1.8		<8.0 mg/L	TP

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**Immunology**

Test Name	Result	Reference Range	Lab
<b>ANA SCREEN, IFA, W/REFL TITER AND PATTERN</b>			MI
<b>ANA SCREEN, IFA</b>	<b>POSITIVE</b>	NEGATIVE	
<p>ANA IFA is a first line screen for detecting the presence of up to approximately 150 autoantibodies in various autoimmune diseases. A positive ANA IFA result is suggestive of autoimmune disease and reflexes to titer and pattern. Further laboratory testing may be considered if clinically indicated.</p> <p>For additional information, please refer to <a href="http://education.QuestDiagnostics.com/faq/FAQ177">http://education.QuestDiagnostics.com/faq/FAQ177</a> (This link is being provided for informational/ educational purposes only.)</p>			
<b>ANTINUCLEAR ANTIBODIES TITER AND PATTERN</b>			MI
<b>ANA TITER</b>	<b>1:80 H</b>	titer	
<p>A low level ANA titer may be present in pre-clinical autoimmune diseases and normal individuals.</p> <p>Reference Range</p> <p>&lt;1:40            Negative</p> <p>1:40-1:80        Low Antibody Level</p> <p>&gt;1:80            Elevated Antibody Level</p>			
<b>ANA PATTERN</b>	<b>Nuclear, Homogeneous</b>		
<p>Homogeneous pattern is associated with systemic lupus erythematosus (SLE), drug-induced lupus and juvenile idiopathic arthritis.</p> <p>AC-1: Homogeneous</p> <p>International Consensus on ANA Patterns (<a href="https://doi.org/10.1515/cclm-2018-0052">https://doi.org/10.1515/cclm-2018-0052</a>)</p>			
<b>ANA TITER</b>	<b>1:40 H</b>	titer	
<p>A low level ANA titer may be present in pre-clinical autoimmune diseases and normal individuals.</p> <p>Reference Range</p> <p>&lt;1:40            Negative</p> <p>1:40-1:80        Low Antibody Level</p> <p>&gt;1:80            Elevated Antibody Level</p>			
<b>ANA PATTERN</b>	<b>Nuclear, Speckled</b>		
<p>Speckled pattern is associated with mixed connective tissue disease (MCTD), systemic lupus erythematosus (SLE), Sjogren's syndrome, dermatomyositis, and systemic sclerosis/polymyositis overlap.</p> <p>AC-2,4,5,29: Speckled</p> <p>International Consensus on ANA Patterns (<a href="https://doi.org/10.1515/cclm-2018-0052">https://doi.org/10.1515/cclm-2018-0052</a>)</p>			
<b>ANA TITER</b>	<b>1:320 H</b>	titer	
<p>Reference Range</p> <p>&lt;1:40            Negative</p> <p>1:40-1:80        Low Antibody Level</p> <p>&gt;1:80            Elevated Antibody Level</p>			
<b>ANA PATTERN</b>	<b>Nuclear, Few Nuclear Dots</b>		
<p>Nuclear dots (1-6 in number per cell) pattern is seen in Sjogren's syndrome, systemic lupus erythematosus (SLE), systemic sclerosis (scleroderma), polymyositis, and asymptomatic individuals.</p> <p>AC-7: Few Nuclear Dots</p> <p>International Consensus on ANA Patterns (<a href="https://doi.org/10.1515/cclm-2018-0052">https://doi.org/10.1515/cclm-2018-0052</a>)</p>			
Physician Comments:			

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### CYCLIC CITRULLINATED PEPTIDE (CCP) AB (IGG)

**RESULTS**

Lab: TP

Test	Result	Reference Range
CYCLIC CITRULLINATED PEPTIDE (CCP) AB (IGG)	<16	UNITS
Reference Range Negative: <20 Weak Positive: 20-39 Moderate Positive: 40-59 Strong Positive: >59		

No historical results currently available.