

Patient Information	Specimen Information	Client Information
THOMAS, WILLIAM AGE: 39	 Collected: 02/08/2016 / 08:51 CST Received: 02/09/2016 / 05:00 CST Faxed: 02/13/2016 / 06:15 CST	

COMMENTS: FASTING: YES

Test Name	In Range	Out Of Range	Reference Range	Lab
LIPID PANEL				
CHOLESTEROL, TOTAL		242 H	125-200 mg/dL	RGA
HDL CHOLESTEROL		38 L	> OR = 40 mg/dL	RGA
TRIGLYCERIDES	92		<150 mg/dL	RGA
LDL-CHOLESTEROL		186 H	<130 mg/dL (calc)	RGA

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

CHOL/HDL C RATIO	6.4 H	< OR = 5.0 (calc)	RGA
NON HDL CHOLESTEROL	204 H	mg/dL (calc)	RGA

Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

COMPREHENSIVE METABOLIC PANEL				RGA
GLUCOSE	90		65-99 mg/dL	

Fasting reference interval

UREA NITROGEN (BUN)	20		7-25 mg/dL	
CREATININE		1.40 H	0.60-1.35 mg/dL	
eGFR NON-AFR. AMERICAN	63		> OR = 60 mL/min/1.73m2	
eGFR AFRICAN AMERICAN	73		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	14		6-22 (calc)	
SODIUM	138		135-146 mmol/L	
POTASSIUM	4.3		3.5-5.3 mmol/L	
CHLORIDE	102		98-110 mmol/L	
CARBON DIOXIDE	29		19-30 mmol/L	
CALCIUM	9.4		8.6-10.3 mg/dL	
PROTEIN, TOTAL	7.6		6.1-8.1 g/dL	
ALBUMIN	4.7		3.6-5.1 g/dL	
GLOBULIN	2.9		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.6		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.6		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	44		40-115 U/L	
AST	25		10-40 U/L	
ALT	25		9-46 U/L	
HEMOGLOBIN A1c	5.3		<5.7 % of total Hgb	RGA

According to ADA guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes-2013. Diabetes Care. 2013;36:s11-s66

For the purpose of screening for the presence of diabetes

<5.7%	Consistent with the absence of diabetes
5.7-6.4%	Consistent with increased risk for diabetes (prediabetes)
>or=6.5%	Consistent with diabetes

fast is too high

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This assay result is consistent with a decreased risk of diabetes.				

Currently, no consensus exists for use of hemoglobin A1c for diagnosis of diabetes for children.

TSH	0.98		0.40-4.50 mIU/L	RGA
T4, FREE	1.1		0.8-1.8 ng/dL	RGA
T3, FREE	3.7		2.3-4.2 pg/mL	RGA
T3, TOTAL	108		76-181 ng/dL	RGA
CBC (INCLUDES DIFF/PLT)				RGA
WHITE BLOOD CELL COUNT	5.6		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	5.47		4.20-5.80 Million/uL	
HEMOGLOBIN	16.2		13.2-17.1 g/dL	
HEMATOCRIT	48.0		38.5-50.0 %	
MCV	87.7		80.0-100.0 fL	
MCH	29.6		27.0-33.0 pg	
MCHC	33.7		32.0-36.0 g/dL	
RDW	13.3		11.0-15.0 %	
PLATELET COUNT	236		140-400 Thousand/uL	
MPV	9.6		7.5-11.5 fL	
ABSOLUTE NEUTROPHILS	2912		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1882		850-3900 cells/uL	
ABSOLUTE MONOCYTES	482		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	269		15-500 cells/uL	
ABSOLUTE BASOPHILS	56		0-200 cells/uL	
NEUTROPHILS	52.0		%	
LYMPHOCYTES	33.6		%	
MONOCYTES	8.6		%	
EOSINOPHILS	4.8		%	
BASOPHILS	1.0		%	
DHEA SULFATE	147		106-464 mcg/dL	IG
PROLACTIN	5.0		2.0-18.0 ng/mL	RGA
ESTRADIOL		48 H	< OR = 39 pg/mL	RGA

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).

PSA, TOTAL	0.9		< OR = 4.0 ng/mL	RGA
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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, FR (DIALYSIS)				SLI
AND TOTAL (LC/MS/MS)				
TESTOSTERONE, TOTAL,				
LC/MS/MS				
FREE TESTOSTERONE		1372 H 397.4 H	250-1100 ng/dL 35.0-155.0 pg/mL	

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Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D, 25-OH, TOTAL, IA	51	30-100 ng/mL	RGA
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:

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