

Patient Information	Specimen Information	Client Information
<b>DOB:</b> <b>AGE:</b> 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				RGA
T3 UPTAKE	31		22-35 %	
T4 (THYROXINE), TOTAL	9.1		4.5-12.0 mcg/dL	
FREE T4 INDEX (T7)	2.8		1.4-3.8	
TSH	2.18		0.40-4.50 mIU/L	RGA
LIPID PANEL				
CHOLESTEROL, TOTAL	139		125-200 mg/dL	RGA
HDL CHOLESTEROL	41		> OR = 40 mg/dL	RGA
TRIGLYCERIDES	28		<150 mg/dL	RGA
LDL-CHOLESTEROL	49		<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	2.3		< OR = 5.0 (calc)	RGA
NON HDL CHOLESTEROL	55		mg/dL (calc)	RGA
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
HS CRP	0.8		mg/L	IG

Lower relative cardiovascular risk according to AHA/CDC guidelines.

For ages >17 Years:  
 hs-CRP mg/L Risk According to AHA/CDC Guidelines  
 <1.0 Lower relative cardiovascular risk.  
 1.0-3.0 Average relative cardiovascular risk.  
 3.1-10.0 Higher relative cardiovascular risk.  
 Consider retesting in 1 to 2 weeks to exclude a benign transient elevation in the baseline CRP value secondary to infection or inflammation.  
 >10.0 Persistent elevation, upon retesting, may be associated with infection and inflammation.

COMPREHENSIVE METABOLIC PANEL				RGA
GLUCOSE	88		65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN (BUN)	12		7-25 mg/dL	
CREATININE	0.83		0.60-1.35 mg/dL	
eGFR NON-AFR. AMERICAN	120		> OR = 60 mL/min/1.73m <sup>2</sup>	
eGFR AFRICAN AMERICAN	139		> OR = 60 mL/min/1.73m <sup>2</sup>	
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	137		135-146 mmol/L	
POTASSIUM	4.1		3.5-5.3 mmol/L	

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CHLORIDE	100		98-110 mmol/L	
CARBON DIOXIDE	29		20-31 mmol/L	
CALCIUM	9.8		8.6-10.3 mg/dL	
PROTEIN, TOTAL	7.7		6.1-8.1 g/dL	
ALBUMIN	4.8		3.6-5.1 g/dL	
GLOBULIN	2.9		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.7		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.9		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	49		40-115 U/L	
AST	17		10-40 U/L	
ALT	22		9-46 U/L	
HEMOGLOBIN A1c WITH eAG				RGA
HEMOGLOBIN A1c	5.2		<5.7 % of total Hgb	
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				
This assay result is consistent with a decreased risk of diabetes.				
Currently, no consensus exists regarding use of hemoglobin A1c for diagnosis of diabetes in children.				
According to American Diabetes Association (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 (ADA).				
eAG (mg/dL)	103		(calc)	
eAG (mmol/L)	5.7		(calc)	
SED RATE BY MODIFIED WESTERGREN	2		< OR = 15 mm/h	RGA
CBC (INCLUDES DIFF/PLT)				RGA
WHITE BLOOD CELL COUNT	5.3		3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	5.48		4.20-5.80 Million/uL	
HEMOGLOBIN	16.3		13.2-17.1 g/dL	
HEMATOCRIT	48.2		38.5-50.0 %	
MCV	88.0		80.0-100.0 fL	
MCH	29.8		27.0-33.0 pg	
MCHC	33.8		32.0-36.0 g/dL	
RDW	12.2		11.0-15.0 %	
PLATELET COUNT	201		140-400 Thousand/uL	

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MPV	9.5		7.5-12.5 fL	
ABSOLUTE NEUTROPHILS	3058		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	1760		850-3900 cells/uL	
ABSOLUTE MONOCYTES	382		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	85		15-500 cells/uL	
ABSOLUTE BASOPHILS	16		0-200 cells/uL	
NEUTROPHILS	57.7		%	
LYMPHOCYTES	33.2		%	
MONOCYTES	7.2		%	
EOSINOPHILS	1.6		%	
BASOPHILS	0.3		%	
URINALYSIS, COMPLETE				RGa
COLOR	YELLOW		YELLOW	
APPEARANCE	CLEAR		CLEAR	
SPECIFIC GRAVITY	1.004		1.001-1.035	
PH	6.0		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	
MAGNESIUM, RBC	5.6		4.0-6.4 mg/dL	SLI

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Endocrinology

Test Name	Result	Reference Range	Lab
VITAMIN D,25-OH,TOTAL,IA	42	30-100 ng/mL	QBA

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: