

# Sample results. Actual results may vary.

PATIENT INFORMATION

REPORT STATUS: FINAL

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SPECIMEN INFORMATION

SPECIMEN:

REQUISITION:

LAB REF NO:

COLLECTED:

RECEIVED:

REPORTED:

DOB:

AGE:

GENDER:

FASTING:

Clinical Info:

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
<b>LIPID PANEL</b>				
CHOLESTEROL, TOTAL	159		125-200 mg/dL	AT
HDL CHOLESTEROL	42	LOW	> OR = 46 mg/dL	AT
TRIGLYCERIDES	107		<150 mg/dL	AT
LDL-CHOLESTEROL	96		<130 mg/dL (calc)	AT
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	3.8		< OR = 5.0 (calc)	AT
NON HDL CHOLESTEROL	117		mg/dL (calc)	AT
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
<b>IRON AND TOTAL IRON BINDING CAPACITY</b>				
IRON, TOTAL	73		40-175 mcg/dL	AT
IRON BINDING CAPACITY	302		250-450 mcg/dL	AT
% SATURATION	24		15-50 % (calc)	AT
<b>COMPREHENSIVE METABOLIC PANEL</b>				
GLUCOSE	87		65-99 mg/dL	AT
Fasting reference interval				
UREA NITROGEN (BUN)	11		7-25 mg/dL	AT
CREATININE	0.78		0.50-1.10 mg/dL	AT
eGFR NON-AFR. AMERICAN	103		> OR = 60 mL/min/1.73m2	AT
eGFR AFRICAN AMERICAN	120		> OR = 60 mL/min/1.73m2	AT
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	AT
SODIUM	137		135-146 mmol/L	AT
POTASSIUM	4.1		3.5-5.3 mmol/L	AT
CHLORIDE	103		98-110 mmol/L	AT
CARBON DIOXIDE	25		19-30 mmol/L	AT
CALCIUM	9.2		8.6-10.2 mg/dL	AT
PROTEIN, TOTAL	7.1		6.1-8.1 g/dL	AT
ALBUMIN	4.3		3.6-5.1 g/dL	AT
GLOBULIN	2.8		1.9-3.7 g/dL (calc)	AT
ALBUMIN/GLOBULIN RATIO	1.5		1.0-2.5 (calc)	AT
BILIRUBIN, TOTAL	0.6		0.2-1.2 mg/dL	AT
ALKALINE PHOSPHATASE	60		33-115 U/L	AT
AST	14		10-30 U/L	AT
ALT	11		6-29 U/L	AT
<b>CBC (INCLUDES DIFF/PLT)</b>				
WHITE BLOOD CELL COUNT	10.1		3.8-10.8 Thousand/uL	AT
RED BLOOD CELL COUNT	4.50		3.80-5.10 Million/uL	AT
HEMOGLOBIN	12.6		11.7-15.5 g/dL	AT
HEMATOCRIT	39.0		35.0-45.0 %	AT
MCV	86.7		80.0-100.0 fL	AT
MCH	28.0		27.0-33.0 pg	AT
MCHC	32.3		32.0-36.0 g/dL	AT
RDW	15.0		11.0-15.0 %	AT

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PLATELET COUNT	213	140-400 Thousand/uL	AT
MPV	DNR	7.5-11.5 fL	AT
ABSOLUTE NEUTROPHILS	7424	1500-7800 cells/uL	AT
ABSOLUTE BAND NEUTROPHILS	DNR	0-750 cells/uL	AT
ABSOLUTE METAMYELOCYTES	DNR	0 cells/uL	AT
ABSOLUTE MYELOCYTES	DNR	0 cells/uL	AT
ABSOLUTE PROMYELOCYTES	DNR	0 cells/uL	AT
ABSOLUTE LYMPHOCYTES	2050	850-3900 cells/uL	AT
ABSOLUTE MONOCYTES	465	200-950 cells/uL	AT
ABSOLUTE EOSINOPHILS	131	15-500 cells/uL	AT
ABSOLUTE BASOPHILS	30	0-200 cells/uL	AT
ABSOLUTE BLASTS	DNR	0 cells/uL	AT
ABSOLUTE NUCLEATED RBC	DNR	0 cells/uL	AT
NEUTROPHILS	73.5	%	AT
BAND NEUTROPHILS	DNR	%	AT
METAMYELOCYTES	DNR	%	AT
MYELOCYTES	DNR	%	AT
PROMYELOCYTES	DNR	%	AT
LYMPHOCYTES	20.3	%	AT
REACTIVE LYMPHOCYTES	DNR	0-10 %	AT
MONOCYTES	4.6	%	AT
EOSINOPHILS	1.3	%	AT
BASOPHILS	0.3	%	AT
BLASTS	DNR	%	AT
NUCLEATED RBC	DNR	0 /100 WBC	AT
COMMENT(S)	DNR		AT

## HOMOCYSTEINE, CARDIOVASCULAR

HOMOCYSTEINE, CARDIOVASCULAR	7.8	<10.4 umol/L	AT
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## TSH

TSH	1.42	mIU/L	AT
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### 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

## VITAMIN B12

VITAMIN B12	743	200-1100 pg/mL	AT
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## HEMOGLOBIN A1c

HEMOGLOBIN A1c	5.6	<5.7 % of total Hgb	AT
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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

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.

## QUESTASSURED 25-OH VIT D, (D2,D3), LC/MS/MS

VITAMIN D, 25-OH, TOTAL	20	LOW	30-100 ng/mL	SLI
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25-OHD3 indicates both endogenous production and supplementation. 25-OHD2 is an indicator of exogenous sources,

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such as diet or supplementation. Therapy is based on measurement of Total 25-OHD, with levels <20 ng/mL indicative of Vitamin D deficiency, while levels between 20 ng/mL and 30 ng/mL suggest insufficiency. Optimal levels are > or = 30 ng/mL.

VITAMIN D, 25-OH, D3	20	See Below ng/mL	SLI
Reference Range:	Not established		
VITAMIN D, 25-OH, D2	<4	See Below ng/mL	SLI
Reference Range:	Not established		

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### Performing Laboratory Information:

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