

# Sample results. Actual results may vary.

PATIENT INFORMATION

REPORT STATUS: FINAL

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SPECIMEN INFORMATION

SPECIMEN:

DOB:

REQUISITION:

AGE:

LAB REF NO:

GENDER:

FASTING:

COLLECTED:

Clinical Info:

RECEIVED:

REPORTED:

Test Name	Result	Flag	Reference Range	Lab
FASTING				
<b>LIPID PANEL</b>				
CHOLESTEROL, TOTAL	181		125-200 mg/dL	AT
HDL CHOLESTEROL	44		> OR = 40 mg/dL	AT
TRIGLYCERIDES	159	HIGH	<150 mg/dL	AT
LDL-CHOLESTEROL	105		<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/HDLRATIO	4.1		< OR = 5.0 (calc)	AT
NON HDL CHOLESTEROL	137		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	105		45-175 mcg/dL	AT
IRON BINDING CAPACITY	364		250-425 mcg/dL	AT
% SATURATION	29		20-50 % (calc)	AT
<b>COMPREHENSIVE METABOLIC PANEL</b>				
GLUCOSE	88		65-99 mg/dL	AT
Fasting reference interval				
UREA NITROGEN (BUN)	11		7-25 mg/dL	AT
CREATININE	0.91		0.60-1.35 mg/dL	AT
eGFR NON-AFR. AMERICAN	119		> OR = 60 mL/min/1.73m2	AT
eGFR AFRICAN AMERICAN	138		> OR = 60 mL/min/1.73m2	AT
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	AT
SODIUM	136		135-146 mmol/L	AT
POTASSIUM	4.2		3.5-5.3 mmol/L	AT
CHLORIDE	98		98-110 mmol/L	AT
CARBON DIOXIDE	28		19-30 mmol/L	AT
CALCIUM	9.7		8.6-10.3 mg/dL	AT
PROTEIN, TOTAL	7.7		6.1-8.1 g/dL	AT
ALBUMIN	4.8		3.6-5.1 g/dL	AT
GLOBULIN	2.9		1.9-3.7 g/dL (calc)	AT
ALBUMIN/GLOBULIN RATIO	1.7		1.0-2.5 (calc)	AT
BILIRUBIN, TOTAL	0.7		0.2-1.2 mg/dL	AT
ALKALINE PHOSPHATASE	57		40-115 U/L	AT
AST	20		10-40 U/L	AT
ALT	26		9-46 U/L	AT
<b>CBC (INCLUDES DIFF/PLT)</b>				
WHITE BLOOD CELL COUNT	7.3		3.8-10.8 Thousand/uL	AT
RED BLOOD CELL COUNT	5.39		4.20-5.80 Million/uL	AT
HEMOGLOBIN	17.1		13.2-17.1 g/dL	AT
HEMATOCRIT	51.6	HIGH	38.5-50.0 %	AT
MCV	95.7		80.0-100.0 fL	AT
MCH	31.8		27.0-33.0 pg	AT
MCHC	33.2		32.0-36.0 g/dL	AT
RDW	12.9		11.0-15.0 %	AT

# Sample results. Actual results may vary.

PLATELET COUNT	276	140-400 Thousand/uL	AT
MPV	DNR	7.5-11.5 fL	AT
ABSOLUTE NEUTROPHILS	3665	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	3008	850-3900 cells/uL	AT
ABSOLUTE MONOCYTES	526	200-950 cells/uL	AT
ABSOLUTE EOSINOPHILS	88	15-500 cells/uL	AT
ABSOLUTE BASOPHILS	15	0-200 cells/uL	AT
ABSOLUTE BLASTS	DNR	0 cells/uL	AT
ABSOLUTE NUCLEATED RBC	DNR	0 cells/uL	AT
NEUTROPHILS	50.2	%	AT
BAND NEUTROPHILS	DNR	%	AT
METAMYELOCYTES	DNR	%	AT
MYELOCYTES	DNR	%	AT
PROMYELOCYTES	DNR	%	AT
LYMPHOCYTES	41.2	%	AT
REACTIVE LYMPHOCYTES	DNR	0-10 %	AT
MONOCYTES	7.2	%	AT
EOSINOPHILS	1.2	%	AT
BASOPHILS	0.2	%	AT
BLASTS	DNR	%	AT
NUCLEATED RBC	DNR	0 /100 WBC	AT
COMMENT(S)	DNR		AT

## HOMOCYSTEINE, CARDIOVASCULAR

HOMOCYSTEINE, CARDIOVASCULAR	8.8	<11.4 umol/L	AT
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## TSH

TSH	1.48	0.40-4.50 mIU/L	AT
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## HEMOGLOBIN A1c

HEMOGLOBIN A1c	4.7	<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.

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## Performing Laboratory Information: