

Sample results. Actual results may vary.

PATIENT INFORMATION

REPORT STATUS: FINAL

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CLIENT INFORMATION



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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: UNKNOWN				
LIPID PANEL				
CHOLESTEROL, TOTAL	185		125-200 mg/dL	01
HDL CHOLESTEROL	47		> OR = 40 mg/dL	01
TRIGLYCERIDES	80		<150 mg/dL	01
LDL-CHOLESTEROL	122		<130 mg/dL (calc)	01
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	3.9		< OR = 5.0 (calc)	01
NON HDL CHOLESTEROL	138		mg/dL (calc)	01
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
MAGNESIUM				
MAGNESIUM	2.1		1.5-2.5 mg/dL	01
PHOSPHATE (AS PHOSPHORUS)				
PHOSPHATE (AS PHOSPHORUS)	3.6		2.5-4.5 mg/dL	01
IRON AND TOTAL IRON BINDING CAPACITY				
IRON, TOTAL	121		45-170 mcg/dL	01
IRON BINDING CAPACITY	328		250-425 mcg/dL	01
% SATURATION	37		20-50 % (calc)	01
COMPREHENSIVE METABOLIC PANEL				
GLUCOSE	98		65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	16		7-25 mg/dL	01
CREATININE	1.13		0.60-1.35 mg/dL	01
eGFR NON-AFR. AMERICAN	84		> OR = 60 mL/min/1.73m2	01
eGFR AFRICAN AMERICAN	97		> OR = 60 mL/min/1.73m2	01
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	01
SODIUM	143		135-146 mmol/L	01
POTASSIUM	4.1		3.5-5.3 mmol/L	01
CHLORIDE	107		98-110 mmol/L	01
CARBON DIOXIDE	25		19-30 mmol/L	01
CALCIUM	9.6		8.6-10.3 mg/dL	01
PROTEIN, TOTAL	7.2		6.1-8.1 g/dL	01
ALBUMIN	4.7		3.6-5.1 g/dL	01
GLOBULIN	2.5		1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	1.9		1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	0.5		0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	45		40-115 U/L	01
AST	16		10-40 U/L	01
ALT	24		9-46 U/L	01
CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	3.3	LOW	3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	5.42		4.20-5.80 Million/uL	01
HEMOGLOBIN	15.8		13.2-17.1 g/dL	01
HEMATOCRIT	47.6		38.5-50.0 %	01

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MCV	87.9		80.0-100.0 fL	01
MCH	29.2		27.0-33.0 pg	01
MCHC	33.2		32.0-36.0 g/dL	01
RDW	14.5		11.0-15.0 %	01
PLATELET COUNT	148		140-400 Thousand/uL	01
MPV	9.7		7.5-11.5 fL	01
ABSOLUTE NEUTROPHILS	1683		1500-7800 cells/uL	01
ABSOLUTE BAND NEUTROPHILS	DNR		0-750 cells/uL	01
ABSOLUTE METAMYELOCYTES	DNR		0 cells/uL	01
ABSOLUTE MYELOCYTES	DNR		0 cells/uL	01
ABSOLUTE PROMYELOCYTES	DNR		0 cells/uL	01
ABSOLUTE LYMPHOCYTES	1307		850-3900 cells/uL	01
ABSOLUTE MONOCYTES	254		200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	40		15-500 cells/uL	01
ABSOLUTE BASOPHILS	17		0-200 cells/uL	01
ABSOLUTE BLASTS	DNR		0 cells/uL	01
ABSOLUTE NUCLEATED RBC	DNR		0 cells/uL	01
NEUTROPHILS	51.0		%	01
BAND NEUTROPHILS	DNR		%	01
METAMYELOCYTES	DNR		%	01
MYELOCYTES	DNR		%	01
PROMYELOCYTES	DNR		%	01
LYMPHOCYTES	39.6		%	01
REACTIVE LYMPHOCYTES	DNR		0-10 %	01
MONOCYTES	7.7		%	01
EOSINOPHILS	1.2		%	01
BASOPHILS	0.5		%	01
BLASTS	DNR		%	01
NUCLEATED RBC	DNR		0 /100 WBC	01
COMMENT(S)	DNR			01
HOMOCYSTEINE, CARDIOVASCULAR				
HOMOCYSTEINE, CARDIOVASCULAR	11.8	HIGH	<11.4 umol/L	01
TSH				
TSH	1.10		0.40-4.50 mIU/L	01
VITAMIN B12				
VITAMIN B12	504		200-1100 pg/mL	01
QUESTASSURED 25-OH VIT D, (D2,D3), LC/MS/MS				
VITAMIN D, 25-OH, TOTAL	36		30-100 ng/mL	02

25-OHD3 indicates both endogenous production and supplementation. 25-OHD2 is an indicator of exogenous sources, 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	36		See Note: ng/mL	02
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Reference Range:

Reference Range
Not established

VITAMIN D, 25-OH, D2	<4		See Note: ng/mL	02
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Reference Range:

Reference Range
Not established

HEMOGLOBIN A1c

HEMOGLOBIN A1c	5.5		<5.7 % of total Hgb	01
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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

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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 Alc for diagnosis of diabetes for children.

ZINC

ZINC

79

60-130 mcg/dL

02

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