

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:

DOB:

AGE:

GENDER:

FASTING:

Clinical Info:

COLLECTED:

RECEIVED:

REPORTED:

Test Name	Result	Flag	Reference Range	Lab
LIPID PANEL				
CHOLESTEROL, TOTAL	202	HIGH	125-200 mg/dL	EN
HDL CHOLESTEROL	53		> OR = 46 mg/dL	EN
TRIGLYCERIDES	136		<150 mg/dL	EN
LDL-CHOLESTEROL	122		<130 mg/dL (calc)	EN
Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.				
CHOL/HDLRATIO	3.8		< OR = 5.0 (calc)	EN
NON HDL CHOLESTEROL	149		mg/dL (calc)	EN
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
IRON AND TOTAL IRON BINDING CAPACITY				
IRON, TOTAL	79		40-160 mcg/dL	EN
IRON BINDING CAPACITY	340		250-450 mcg/dL	EN
% SATURATION	23		15-50 % (calc)	EN
COMPREHENSIVE METABOLIC PANEL				
GLUCOSE	82		65-99 mg/dL	EN
Fasting reference interval				
UREA NITROGEN (BUN)	12		7-25 mg/dL	EN
CREATININE	0.89		0.50-1.05 mg/dL	EN
For patients >49 years of age, the reference limit for Creatinine is approximately 13% higher for people identified as African-American.				
eGFR NON-AFR. AMERICAN	71		> OR = 60 mL/min/1.73m2	EN
eGFR AFRICAN AMERICAN	82		> OR = 60 mL/min/1.73m2	EN
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	EN
SODIUM	140		135-146 mmol/L	EN
POTASSIUM	4.4		3.5-5.3 mmol/L	EN
CHLORIDE	105		98-110 mmol/L	EN
CARBON DIOXIDE	26		19-30 mmol/L	EN
CALCIUM	9.3		8.6-10.4 mg/dL	EN
PROTEIN, TOTAL	7.2		6.1-8.1 g/dL	EN
ALBUMIN	4.5		3.6-5.1 g/dL	EN
GLOBULIN	2.7		1.9-3.7 g/dL (calc)	EN
ALBUMIN/GLOBULIN RATIO	1.7		1.0-2.5 (calc)	EN
BILIRUBIN, TOTAL	0.6		0.2-1.2 mg/dL	EN
ALKALINE PHOSPHATASE	62		33-130 U/L	EN
AST	17		10-35 U/L	EN
ALT	21		6-29 U/L	EN
CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	7.7		3.8-10.8 Thousand/uL	EN
RED BLOOD CELL COUNT	4.63		3.80-5.10 Million/uL	EN
HEMOGLOBIN	13.9		11.7-15.5 g/dL	EN
HEMATOCRIT	40.9		35.0-45.0 %	EN
MCV	88.5		80.0-100.0 fL	EN

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MCH	30.0	27.0-33.0 pg	EN
MCHC	34.0	32.0-36.0 g/dL	EN
RDW	13.3	11.0-15.0 %	EN
PLATELET COUNT	282	140-400 Thousand/uL	EN
MPV	9.0	7.5-11.5 fL	EN
ABSOLUTE NEUTROPHILS	3719	1500-7800 cells/uL	EN
ABSOLUTE BAND NEUTROPHILS	DNR	0-750 cells/uL	EN
ABSOLUTE METAMYELOCYTES	DNR	0 cells/uL	EN
ABSOLUTE MYELOCYTES	DNR	0 cells/uL	EN
ABSOLUTE PROMYELOCYTES	DNR	0 cells/uL	EN
ABSOLUTE LYMPHOCYTES	3249	850-3900 cells/uL	EN
ABSOLUTE MONOCYTES	624	200-950 cells/uL	EN
ABSOLUTE EOSINOPHILS	62	15-500 cells/uL	EN
ABSOLUTE BASOPHILS	46	0-200 cells/uL	EN
ABSOLUTE BLASTS	DNR	0 cells/uL	EN
ABSOLUTE NUCLEATED RBC	DNR	0 cells/uL	EN
NEUTROPHILS	48.3	%	EN
BAND NEUTROPHILS	DNR	%	EN
METAMYELOCYTES	DNR	%	EN
MYELOCYTES	DNR	%	EN
PROMYELOCYTES	DNR	%	EN
LYMPHOCYTES	42.2	%	EN
REACTIVE LYMPHOCYTES	DNR	0-10 %	EN
MONOCYTES	8.1	%	EN
EOSINOPHILS	0.8	%	EN
BASOPHILS	0.6	%	EN
BLASTS	DNR	%	EN
NUCLEATED RBC	DNR	0 /100 WBC	EN
COMMENT(S)	DNR		EN

HOMOCYSTEINE, CARDIOVASCULAR

HOMOCYSTEINE, CARDIOVASCULAR	14.9	HIGH	<10.4 umol/L	EN
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PROGESTERONE

PROGESTERONE	<0.5		ng/mL	EN
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Reference Ranges

Female

Follicular Phase	< 1.0
Luteal Phase	2.6-21.5
Post menopausal	< 0.5
Pregnancy	
1st Trimester	4.1-34.0
2nd Trimester	24.0-76.0
3rd Trimester	52.0-302.0

TSH

TSH	0.80		0.40-4.50 mIU/L	EN
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VITAMIN B12

VITAMIN B12	426		200-1100 pg/mL	EN
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ESTRADIOL

ESTRADIOL	44		pg/mL	EN
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Reference Range

Follicular Phase:	19-144
Mid-Cycle:	64-357
Luteal Phase:	56-214
Post-Menopausal:	< or = 31

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)

HEMOGLOBIN A1c

HEMOGLOBIN A1c	5.5		<5.7 % of total Hgb	EN
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Sample results. Actual results may vary.

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.

TESTOSTERONE,FR(DIALYSIS) AND TOTAL(LC/MS/MS)

TESTOSTERONE, TOTAL, LC/MS/MS	19	2-45 ng/dL	SLI
FREE TESTOSTERONE	2.7	0.1-6.4 pg/mL	SLI

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

VITAMIN D, 25-OH, TOTAL	26	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, 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	26	See Below ng/mL	SLI
Reference Range: Not established			
VITAMIN D, 25-OH, D2	<4	See Below ng/mL	SLI
Reference Range: Not established			

ZINC

ZINC	71	60-130 mcg/dL	EN
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Performing Laboratory Information: