

PATIENT INFORMATION

REPORT STATUS: FINAL

SPECIMEN INFORMATION

SPECIMEN:
REQUISITION:
LAB REF NO:

DOB:
AGE:
GENDER:
FASTING:

COLLECTED:
RECEIVED:
REPORTED:

Clinical Info:

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CLIENT INFORMATION



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Test Name	Result	Flag	Reference Range	Lab
LIPID PANEL				
CHOLESTEROL, TOTAL	153		125-200 mg/dL	AT
HDL CHOLESTEROL	72		> OR = 46 mg/dL	AT
TRIGLYCERIDES	84		<150 mg/dL	AT
LDL-CHOLESTEROL	64		<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	2.1		< OR = 5.0 (calc)	AT
NON HDL CHOLESTEROL	81		mg/dL (calc)	AT
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
IRON AND TOTAL IRON BINDING CAPACITY				
IRON, TOTAL	107		40-160 mcg/dL	AT
IRON BINDING CAPACITY	329		250-450 mcg/dL	AT
% SATURATION	33		15-50 % (calc)	AT
COMPREHENSIVE METABOLIC PANEL				
GLUCOSE	67		65-99 mg/dL	AT
Fasting reference interval				
UREA NITROGEN (BUN)	15		7-25 mg/dL	AT
CREATININE	0.75		0.50-1.05 mg/dL	AT
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	90		> OR = 60 mL/min/1.73m2	AT
eGFR AFRICAN AMERICAN	105		> OR = 60 mL/min/1.73m2	AT
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	AT
SODIUM	140		135-146 mmol/L	AT
POTASSIUM	4.2		3.5-5.3 mmol/L	AT
CHLORIDE	101		98-110 mmol/L	AT
CARBON DIOXIDE	27		19-30 mmol/L	AT
CALCIUM	9.7		8.6-10.4 mg/dL	AT
PROTEIN, TOTAL	7.0		6.1-8.1 g/dL	AT
ALBUMIN	4.5		3.6-5.1 g/dL	AT
GLOBULIN	2.5		1.9-3.7 g/dL (calc)	AT
ALBUMIN/GLOBULIN RATIO	1.8		1.0-2.5 (calc)	AT
BILIRUBIN, TOTAL	0.5		0.2-1.2 mg/dL	AT
ALKALINE PHOSPHATASE	56		33-130 U/L	AT
AST	24		10-35 U/L	AT
ALT	31	HIGH	6-29 U/L	AT
CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	7.9		3.8-10.8 Thousand/uL	AT
RED BLOOD CELL COUNT	4.24		3.80-5.10 Million/uL	AT
HEMOGLOBIN	13.5		11.7-15.5 g/dL	AT
HEMATOCRIT	39.9		35.0-45.0 %	AT
MCV	94.3		80.0-100.0 fL	AT

Sample results. Actual results may vary.

MCH	31.9		27.0-33.0 pg	AT
MCHC	33.8		32.0-36.0 g/dL	AT
RDW	13.6		11.0-15.0 %	AT
PLATELET COUNT	329		140-400 Thousand/uL	AT
MPV	DNR		7.5-11.5 fL	AT
ABSOLUTE NEUTROPHILS	4274		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	3136		850-3900 cells/uL	AT
ABSOLUTE MONOCYTES	450		200-950 cells/uL	AT
ABSOLUTE EOSINOPHILS	8	LOW	15-500 cells/uL	AT
ABSOLUTE BASOPHILS	32		0-200 cells/uL	AT
ABSOLUTE BLASTS	DNR		0 cells/uL	AT
ABSOLUTE NUCLEATED RBC	DNR		0 cells/uL	AT
NEUTROPHILS	54.1		%	AT
BAND NEUTROPHILS	DNR		%	AT
METAMYELOCYTES	DNR		%	AT
MYELOCYTES	DNR		%	AT
PROMYELOCYTES	DNR		%	AT
LYMPHOCYTES	39.7		%	AT
REACTIVE LYMPHOCYTES	DNR		0-10 %	AT
MONOCYTES	5.7		%	AT
EOSINOPHILS	0.1		%	AT
BASOPHILS	0.4		%	AT
BLASTS	DNR		%	AT
NUCLEATED RBC	DNR		0 /100 WBC	AT
COMMENT(S)	DNR			AT

HOMOCYSTEINE, CARDIOVASCULAR

HOMOCYSTEINE, CARDIOVASCULAR	8.5		<10.4 umol/L	AT
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FSH

FSH	76.6		mIU/mL	AT
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Reference Range

Follicular Phase	2.5-10.2
Mid-cycle Peak	3.1-17.7
Luteal Phase	1.5- 9.1
Postmenopausal	23.0-116.3

LH

LH	30.2		mIU/mL	AT
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Reference Range

Follicular Phase	1.9-12.5
Mid-Cycle Peak	8.7-76.3
Luteal Phase	0.5-16.9
Postmenopausal	10.0-54.7

PROGESTERONE

PROGESTERONE	4.4		ng/mL	AT
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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	0.81		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 1216 HIGH 200-1100 pg/mL AT

ESTRADIOL

ESTRADIOL 26 pg/mL AT

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 5.7 HIGH <5.7 % of total Hgb AT

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 an increased 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 2.4 0.1-6.4 pg/mL SLI

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

VITAMIN D, 25-OH, TOTAL 46 30-100 ng/mL SLI

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 46 See Below ng/mL SLI

Reference Range: Not established

VITAMIN D, 25-OH, D2 <4 See Below ng/mL SLI

Reference Range: Not established

Performing Laboratory Information:

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