

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	151		125-200 mg/dL	01
HDL CHOLESTEROL	77		> OR = 40 mg/dL	01
TRIGLYCERIDES	47		<150 mg/dL	01
LDL-CHOLESTEROL	65		<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	2.0		< OR = 5.0 (calc)	01
NON HDL CHOLESTEROL	74		mg/dL (calc)	01
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
COMPREHENSIVE METABOLIC PANEL				
GLUCOSE	81		65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	7		7-25 mg/dL	01
CREATININE	0.90		0.70-1.33 mg/dL	01
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	98		> OR = 60 mL/min/1.73m2	01
eGFR AFRICAN AMERICAN	113		> OR = 60 mL/min/1.73m2	01
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	01
SODIUM	143		135-146 mmol/L	01
POTASSIUM	4.7		3.5-5.3 mmol/L	01
CHLORIDE	105		98-110 mmol/L	01
CARBON DIOXIDE	26		19-30 mmol/L	01
CALCIUM	10.1		8.6-10.3 mg/dL	01
PROTEIN, TOTAL	7.1		6.1-8.1 g/dL	01
ALBUMIN	4.8		3.6-5.1 g/dL	01
GLOBULIN	2.3		1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	2.1		1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	0.8		0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	61		40-115 U/L	01
AST	27		10-35 U/L	01
ALT	24		9-46 U/L	01
CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	5.0		3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	5.19		4.20-5.80 Million/uL	01
HEMOGLOBIN	15.2		13.2-17.1 g/dL	01
HEMATOCRIT	47.4		38.5-50.0 %	01
MCV	91.4		80.0-100.0 fL	01
MCH	29.3		27.0-33.0 pg	01
MCHC	32.1		32.0-36.0 g/dL	01
RDW	14.4		11.0-15.0 %	01
PLATELET COUNT	194		140-400 Thousand/uL	01

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MPV	11.1		7.5-11.5 fL	01
ABSOLUTE NEUTROPHILS	2665		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	1585		850-3900 cells/uL	01
ABSOLUTE MONOCYTES	355		200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	370		15-500 cells/uL	01
ABSOLUTE BASOPHILS	25		0-200 cells/uL	01
ABSOLUTE BLASTS	DNR		0 cells/uL	01
ABSOLUTE NUCLEATED RBC	DNR		0 cells/uL	01
NEUTROPHILS	53.3		%	01
BAND NEUTROPHILS	DNR		%	01
METAMYELOCYTES	DNR		%	01
MYELOCYTES	DNR		%	01
PROMYELOCYTES	DNR		%	01
LYMPHOCYTES	31.7		%	01
REACTIVE LYMPHOCYTES	DNR		0-10 %	01
MONOCYTES	7.1		%	01
EOSINOPHILS	7.4		%	01
BASOPHILS	0.5		%	01
BLASTS	DNR		%	01
NUCLEATED RBC	DNR		0 /100 WBC	01
COMMENT(S)	DNR			01
HS CRP				
HS CRP	0.3		mg/L	01

Lower relative cardiovascular risk according to AHA/CDC guidelines.

For ages >17 Years:

hs-CRP mg/L	Risk According to AHA/CDC Guidelines
<1.0	Lower relative cardiovascular risk.
1.0-3.0	Average relative cardiovascular risk.
3.1-10.0	Higher relative cardiovascular risk. Consider retesting in 1 to 2 weeks to exclude a benign transient elevation in the baseline CRP value secondary to infection or inflammation.
>10.0	Persistent elevation, upon retesting, may be associated with infection and inflammation.

HOMOCYSTEINE, CARDIOVASCULAR

HOMOCYSTEINE, CARDIOVASCULAR	15.2	HIGH	<11.4 umol/L	01
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DHEA SULFATE

DHEA SULFATE	157		38-313 mcg/dL	01
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DHEA-S values fall with advancing age.

For reference, the reference intervals for 31-40 year old patients are:

Male: 106-464 mcg/dL

Female: 23-266 mcg/dL

TSH

TSH	1.98		0.40-4.50 mIU/L	01
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VITAMIN B12

VITAMIN B12	317		200-1100 pg/mL	01
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Please Note: Although the reference range for vitamin B12 is 200-1100 pg/mL, it has been reported that between 5 and 10% of patients with values between 200 and 400

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pg/mL may experience neuropsychiatric and hematologic abnormalities due to occult B12 deficiency; less than 1% of patients with values above 400 pg/mL will have symptoms.

SEX HORMONE BINDING GLOBULIN

SEX HORMONE BINDING GLOBULIN 51 HIGH 10-50 nmol/L 01

PSA (FREE AND TOTAL)

TOTAL PSA 0.5 < OR = 4.0 ng/mL 01
 FREE PSA 0.3 ng/mL 01
 % FREE PSA 60 >25 % (calc) 01

PSA(ng/mL)	Free PSA(%)	Estimated(x) Probability of Cancer(as%)
0-2.5	(*)	Approx. 1
2.6-4.0(1)	0-27(2)	24(3)
4.1-10(4)	0-10	56
	11-15	28
	16-20	20
	21-25	16
	>or =26	8
>10(+)	N/A	>50

References:(1)Catalona et al.:Urology 60: 469-474 (2002)

(2)Catalona et al.:J.Urol 168: 922-925 (2002)

Free PSA(%)	Sensitivity(%)	Specificity(%)
< or = 25	85	19
< or = 30	93	9

(3)Catalona et al.:JAMA 277: 1452-1455 (1997)

(4)Catalona et al.:JAMA 279: 1542-1547 (1998)

(x)These estimates vary with age, ethnicity, family and DRE results.

(*)The diagnostic usefulness of % Free PSA has not been established in patients with total PSA below 2.6 ng/mL

(+)In men with PSA above 10 ng/mL, prostate cancer risk is determined by total PSA alone.

PSA was performed using the Beckman Coulter Immunoassay method. Values obtained from different assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

HEMOGLOBIN A1c

HEMOGLOBIN A1c 5.4 <5.7 % of total Hgb 01

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)

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TESTOSTERONE, TOTAL, LC/MS/MS	722	250-1100 ng/dL	02
FREE TESTOSTERONE	112.1	35.0-155.0 pg/mL	02
QUESTASSURED 25-OH VIT D, (D2,D3), LC/MS/MS			
VITAMIN D, 25-OH, TOTAL	30	30-100 ng/mL	02
<p>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.</p>			
VITAMIN D, 25-OH, D3	30	See Below ng/mL	02
Reference Range: Not established			
VITAMIN D, 25-OH, D2	<4	See Below ng/mL	02
Reference Range: Not established			
ZINC			
ZINC	67	60-130 mcg/dL	01

Performing Laboratory Information:

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