



AGE: 34
 GENDER: Male
 FASTING: Unknown

ORDERING PHYSICIAN

CLIENT INFORMATION

Personalabs.com
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COLLECTED: 09/07/2023 12:00AM PDT
 RECEIVED: 09/07/2023 08:55AM PDT
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Clinical Info:

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
FASTING: YES				
Comprehensive Metabolic Panel				
GLUCOSE	82	NORMAL	65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	25	NORMAL	7-25 mg/dL	01
CREATININE	1.10	NORMAL	0.60-1.26 mg/dL	01
EGFR	90	NORMAL	> OR = 60 mL/min/1.73m2	01
BUN/CREATININE RATIO	SEE NOTE:	NORMAL	6-22 (calc)	01
Not Reported: BUN and Creatinine are within reference range.				
SODIUM	140	NORMAL	135-146 mmol/L	01
POTASSIUM	5.0	NORMAL	3.5-5.3 mmol/L	01
CHLORIDE	104	NORMAL	98-110 mmol/L	01
CARBON DIOXIDE	27	NORMAL	20-32 mmol/L	01
CALCIUM	9.2	NORMAL	8.6-10.3 mg/dL	01
PROTEIN, TOTAL	7.3	NORMAL	6.1-8.1 g/dL	01
ALBUMIN	4.5	NORMAL	3.6-5.1 g/dL	01
GLOBULIN	2.8	NORMAL	1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	1.6	NORMAL	1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	1.1	NORMAL	0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	58	NORMAL	36-130 U/L	01
AST	27	NORMAL	10-40 U/L	01
ALT	33	NORMAL	9-46 U/L	01
IGF-1, LC/MS				
IGF 1, LC/MS	158	NORMAL	53-331 ng/mL	02
Z SCORE (MALE)	0.2	NORMAL	-2.0 - +2.0 SD	02
This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. It has not been cleared or approved by FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.				
Z SCORE (FEMALE)	DNR	NORMAL		02
LIPID PANEL WITH RATIOS				
CHOLESTEROL, TOTAL	220	HIGH	<200 mg/dL	01
HDL CHOLESTEROL	38	LOW	> OR = 40 mg/dL	01
TRIGLYCERIDES	91	NORMAL	<150 mg/dL	01
LDL-CHOLESTEROL	162	HIGH	mg/dL (calc)	01

Reference range: <100

Desirable range <100 mg/dL for primary prevention;
<70 mg/dL for patients with CHD or diabetic patients
with > or = 2 CHD risk factors.

LDL-C is now calculated using the Martin-Hopkins
calculation, which is a validated novel method providing
better accuracy than the Friedewald equation in the
estimation of LDL-C.

Martin SS et al. JAMA. 2013;310(19): 2061-2068
(<http://education.QuestDiagnostics.com/faq/FAQ164>)

CHOL/HDLRATIO	5.8	HIGH	<5.0 (calc)	01
LDL/HDL RATIO	4.3	NORMAL	(calc)	01

Below Average Risk: <2.28
Average Risk: 2.29-4.90
Moderate Risk: 4.91-7.12
High Risk: >7.13

NON HDL CHOLESTEROL	182	HIGH	<130 mg/dL (calc)	01
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For patients with diabetes plus 1 major ASCVD risk
factor, treating to a non-HDL-C goal of <100 mg/dL
(LDL-C of <70 mg/dL) is considered a therapeutic
option.

Sex Hormone Binding Globulin (SHBG)

SEX HORMONE BINDING GLOBULIN	8	LOW	10-50 nmol/L	01
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Testosterone, Free (Dialysis) and Total, MS

TESTOSTERONE, TOTAL, MS	251	NORMAL	250-1100 ng/dL	03
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Men with clinically significant hypogonadal symptoms and testosterone values
repeatedly in the range of the 200-300 ng/dL or less, may benefit from
testosterone treatment after adequate risk and benefits counseling.

For additional information, please refer to
<https://education.questdiagnostics.com/faq/FAQ165>
(This link is being provided for informational/educational purposes only.)
(Note)

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characteristics have been determined by medfusion. It has not
been cleared or approved by the FDA. This assay has been validated
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TESTOSTERONE, FREE	72.4	NORMAL	35.0-155.0 pg/mL	03
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characteristics have been determined by medfusion. It has not been
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pursuant to the CLIA regulations and is used for clinical purposes.

MDF
med fusion
2501 South State Highway 121,Suite 1100
Lewisville TX 75067
972-966-7300
Robert L. Breckenridge, MD

DHEA SULFATE, IMMUNOASSAY

DHEA SULFATE	319	NORMAL	93-415 mcg/dL	01
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ESTROGEN, TOTAL, SERUM

ESTROGENS, TOTAL, IA	36	NORMAL	< OR = 404 pg/mL	02
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C-REACTIVE PROTEIN (CRP)

C-REACTIVE PROTEIN	1.2	NORMAL	<8.0 mg/L	01
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HEMOGLOBIN A1c

HEMOGLOBIN A1c	4.6	NORMAL	<5.7 % of total Hgb	01
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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 regarding use of hemoglobin A1c for diagnosis of diabetes in children.

According to American Diabetes Association (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(ADA).

PSA, TOTAL

PSA, TOTAL	0.69	NORMAL	< OR = 4.00 ng/mL	01
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The total PSA value from this assay system is standardized against the WHO standard. The test result will be approximately 20% lower when compared to the equimolar-standardized total PSA (Beckman Coulter). Comparison of serial PSA results should be interpreted with this fact in mind.

This test was performed using the Siemens chemiluminescent 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.

CBC (includes Differential and Platelets)

WHITE BLOOD CELL COUNT	3.7	LOW	3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	5.64	NORMAL	4.20-5.80 Million/uL	01
HEMOGLOBIN	16.5	NORMAL	13.2-17.1 g/dL	01
HEMATOCRIT	49.1	NORMAL	38.5-50.0 %	01
MCV	87.1	NORMAL	80.0-100.0 fL	01
MCH	29.3	NORMAL	27.0-33.0 pg	01
MCHC	33.6	NORMAL	32.0-36.0 g/dL	01
RDW	13.1	NORMAL	11.0-15.0 %	01
PLATELET COUNT	217	NORMAL	140-400 Thousand/uL	01
MPV	10.5	NORMAL	7.5-12.5 fL	01
ABSOLUTE NEUTROPHILS	2098	NORMAL	1500-7800 cells/uL	01
ABSOLUTE BAND NEUTROPHILS	DNR	NORMAL	0-750 cells/uL	01
ABSOLUTE METAMYELOCYTES	DNR	NORMAL	0 cells/uL	01
ABSOLUTE MYELOCYTES	DNR	NORMAL	0 cells/uL	01
ABSOLUTE PROMYELOCYTES	DNR	NORMAL	0 cells/uL	01
ABSOLUTE LYMPHOCYTES	1169	NORMAL	850-3900 cells/uL	01
ABSOLUTE MONOCYTES	352	NORMAL	200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	52	NORMAL	15-500 cells/uL	01
ABSOLUTE BASOPHILS	30	NORMAL	0-200 cells/uL	01
ABSOLUTE BLASTS	DNR	NORMAL	0 cells/uL	01
ABSOLUTE NUCLEATED RBC	DNR	NORMAL	0 cells/uL	01
NEUTROPHILS	56.7	NORMAL	%	01
BAND NEUTROPHILS	DNR	NORMAL	%	01
METAMYELOCYTES	DNR	NORMAL	%	01
MYELOCYTES	DNR	NORMAL	%	01
PROMYELOCYTES	DNR	NORMAL	%	01
LYMPHOCYTES	31.6	NORMAL	%	01
REACTIVE LYMPHOCYTES	DNR	NORMAL	0-10 %	01
MONOCYTES	9.5	NORMAL	%	01
EOSINOPHILS	1.4	NORMAL	%	01

BASOPHILS	0.8	NORMAL	%	01
BLASTS	DNR	NORMAL	%	01
NUCLEATED RBC	DNR	NORMAL	0 /100 WBC	01
COMMENT(S)	DNR	NORMAL		01
Prolactin				
PROLACTIN	4.7	NORMAL	2.0-18.0 ng/mL	01
T3, TOTAL				
T3, TOTAL	96	NORMAL	76-181 ng/dL	01
T4 (Thyroxine), Total				
T4 (THYROXINE), TOTAL	6.0	NORMAL	4.9-10.5 mcg/dL	01
FREE T4 INDEX (T7)	DNR	NORMAL	1.4-3.8	01
TSH				
TSH	1.21	NORMAL	0.40-4.50 mIU/L	01
Dihydrotestosterone				
DIHYDROTESTOSTERONE, LC/MS/MS	20	NORMAL	12-65 ng/dL	02

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Performing Laboratory Information:

01: Quest Diagnostics-Houston Lab, 5850 Rogerdale Road, Houston TX, 77072-1602, phone: ,
 Director: L Frame Ithiel James

02: Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608 Ortega Hwy, San Juan Capistrano CA,
 92675-2042, phone: , Director: MD, PhD, MBA Irina Maramica

03: MedFusion-MedFusion, 2501 South State Highway 121, Suite 1100, Lewisville TX, 75067-8188,
 phone: , Director: Dr Robert L Breckenridge