

Quest Diagnostics

PATIENT INFORMATION

REPORT STATUS: FINAL

SPECIMEN INFORMATION

SPECIMEN:

REQUISITION:

Lab ref no:

Name

DOB:

AGE:

GENDER:

FASTING:

ORDERING PHYSICIAN

Name

CLIENT INFORMATION

Private MD Labs

COLLECTED: 10/24/2022 08:29AM PDT

RECEIVED: 10/24/2022 08:31AM PDT

REPORTED: 10/31/2022 05:29AM PDT

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
hs-CRP				
HS CRP	2.2	NORMAL	mg/L	01
Reference Range				
Optimal <1.0				
Jellinger PS et al. Endocr Pract.2017;23(Suppl 2):1-87.				
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.				
Comprehensive Metabolic Panel				
GLUCOSE	90	NORMAL	65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	10	NORMAL	7-25 mg/dL	01
CREATININE	1.02	NORMAL	0.60-1.24 mg/dL	01
EGFR	103	NORMAL	> OR = 60 mL/min/1.73m2	01
The eGFR is based on the CKD-EPI 2021 equation. To calculate				
the new eGFR from a previous Creatinine or Cystatin C				
result, go to https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator				
BUN/CREATININE RATIO	NOT APPLICABLE	NORMAL	6-22 (calc)	01
SODIUM	140	NORMAL	135-146 mmol/L	01
POTASSIUM	3.9	NORMAL	3.5-5.3 mmol/L	01
CHLORIDE	103	NORMAL	98-110 mmol/L	01
CARBON DIOXIDE	29	NORMAL	20-32 mmol/L	01
CALCIUM	9.2	NORMAL	8.6-10.3 mg/dL	01
PROTEIN, TOTAL	6.9	NORMAL	6.1-8.1 g/dL	01
ALBUMIN	4.3	NORMAL	3.6-5.1 g/dL	01
GLOBULIN	2.6	NORMAL	1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	1.7	NORMAL	1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	0.3	NORMAL	0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	58	NORMAL	36-130 U/L	01
AST	30	NORMAL	10-40 U/L	01
ALT	57	HIGH	9-46 U/L	01
Estradiol, Ultrasensitive, LC/MS				
ESTRADIOL,ULTRASENSITIVE, LC/MS	26	NORMAL	< OR = 29 pg/mL	03

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.

Sex Hormone Binding Globulin (SHBG)

SEX HORMONE BINDING GLOBULIN	11	NORMAL	10-50 nmol/L	01
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T3, FREE

T3, FREE	4.2	NORMAL	2.3-4.2 pg/mL	01
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T4 Free Direct Dialysis

T4, FREE, DIRECT DIALYSIS	1.5	NORMAL	0.9-2.2 ng/dL	02
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This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Testosterone, Free (Dialysis) and Total, MS

TESTOSTERONE, TOTAL, MS	974	NORMAL	250-1100 ng/dL	02
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For additional information, please refer to <http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMSFAQ165> (This link is being provided for informational/educational purposes only.)

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TESTOSTERONE, FREE	317.5	HIGH	35.0-155.0 pg/mL	02
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DHEA SULFATE, IMMUNOASSAY

DHEA SULFATE	310	NORMAL	74-617 mcg/dL	01
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Ferritin (serum)

FERRITIN	43	NORMAL	38-380 ng/mL	01
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FSH (Follicle Stimulating Hormone)

FSH	<0.7	LOW	1.6-8.0 mIU/mL	01
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Gamma Glutamyl Transferase (GGT)

GGT	18	NORMAL	3-70 U/L	01
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HEMOGLOBIN A1c

HEMOGLOBIN A1c	5.2	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).

URINALYSIS, COMPLETE

COLOR	YELLOW	NORMAL	YELLOW	01
APPEARANCE	CLEAR	NORMAL	CLEAR	01
SPECIFIC GRAVITY	1.024	NORMAL	1.001-1.035	01
PH	6.5	NORMAL	5.0-8.0	01
GLUCOSE	NEGATIVE	NORMAL	NEGATIVE	01
BILIRUBIN	NEGATIVE	NORMAL	NEGATIVE	01
KETONES	NEGATIVE	NORMAL	NEGATIVE	01
OCCULT BLOOD	NEGATIVE	NORMAL	NEGATIVE	01
PROTEIN	TRACE	ABNORMAL	NEGATIVE	01
NITRITE	NEGATIVE	NORMAL	NEGATIVE	01
LEUKOCYTE ESTERASE	TRACE	ABNORMAL	NEGATIVE	01
WBC	NONE SEEN	NORMAL	< OR = 5 /HPF	01
RBC	NONE SEEN	NORMAL	< OR = 2 /HPF	01
SQUAMOUS EPITHELIAL CELLS	NONE SEEN	NORMAL	< OR = 5 /HPF	01
TRANSITIONAL EPITHELIAL CELLS	DNR	NORMAL	< OR = 5 /HPF	01
RENAL EPITHELIAL CELLS	DNR	NORMAL	< OR = 3 /HPF	01
BACTERIA	NONE SEEN	NORMAL	NONE SEEN /HPF	01
CALCIUM OXALATE CRYSTALS	DNR	NORMAL	NONE OR FEW /HPF	01
TRIPLE PHOSPHATE CRYSTALS	DNR	NORMAL	NONE OR FEW /HPF	01
URIC ACID CRYSTALS	DNR	NORMAL	NONE OR FEW /HPF	01
AMORPHOUS SEDIMENT	DNR	NORMAL	NONE OR FEW /HPF	01
CRYSTALS	DNR	NORMAL	NONE SEEN /HPF	01
HYALINE CAST	NONE SEEN	NORMAL	NONE SEEN /LPF	01
GRANULAR CAST	DNR	NORMAL	NONE SEEN /LPF	01
CASTS	DNR	NORMAL	NONE SEEN /LPF	01
YEAST	DNR	NORMAL	NONE SEEN /HPF	01
COMMENTS	DNR	NORMAL		01
NOTE		NORMAL		01

This urine was analyzed for the presence of WBC, RBC, bacteria, casts, and other formed elements. Only those elements seen were reported.

INSULIN

INSULIN	7.2	NORMAL	uIU/mL	01
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Reference Range < or = 19.6

Risk:

Optimal < or = 19.6

Moderate NA

High >19.6

Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on Quest Diagnostics population data from 12/2011.

This insulin assay shows strong cross-reactivity for some insulin analogs (lispro, aspart, and glargine) and much lower cross-reactivity with others (detemir, glulisine).

LUTENIZING HORMONE

LH <0.2 LOW 1.5-9.3 mIU/mL 01

MAGNESIUM

MAGNESIUM 1.9 NORMAL 1.5-2.5 mg/dL 01

CBC (includes Differential and Platelets)

WHITE BLOOD CELL COUNT 4.3 NORMAL 3.8-10.8 Thousand/uL 01
 RED BLOOD CELL COUNT 5.32 NORMAL 4.20-5.80 Million/uL 01
 HEMOGLOBIN 16.1 NORMAL 13.2-17.1 g/dL 01
 HEMATOCRIT 48.0 NORMAL 38.5-50.0 % 01
 MCV 90.2 NORMAL 80.0-100.0 fL 01
 MCH 30.3 NORMAL 27.0-33.0 pg 01
 MCHC 33.5 NORMAL 32.0-36.0 g/dL 01
 RDW 11.9 NORMAL 11.0-15.0 % 01
 PLATELET COUNT 234 NORMAL 140-400 Thousand/uL 01
 MPV 9.3 NORMAL 7.5-12.5 fL 01
 ABSOLUTE NEUTROPHILS 2331 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 1754 NORMAL 850-3900 cells/uL 01
 ABSOLUTE MONOCYTES 194 LOW 200-950 cells/uL 01
 ABSOLUTE EOSINOPHILS 22 NORMAL 15-500 cells/uL 01
 ABSOLUTE BASOPHILS 0 NORMAL 0-200 cells/uL 01
 ABSOLUTE BLASTS DNR NORMAL 0 cells/uL 01
 ABSOLUTE NUCLEATED RBC DNR NORMAL 0 cells/uL 01
 NEUTROPHILS 54.2 NORMAL % 01
 BAND NEUTROPHILS DNR NORMAL % 01
 METAMYELOCYTES DNR NORMAL % 01
 MYELOCYTES DNR NORMAL % 01
 PROMYELOCYTES DNR NORMAL % 01
 LYMPHOCYTES 40.8 NORMAL % 01
 REACTIVE LYMPHOCYTES DNR NORMAL 0-10 % 01
 MONOCYTES 4.5 NORMAL % 01
 EOSINOPHILS 0.5 NORMAL % 01
 BASOPHILS 0.0 NORMAL % 01
 BLASTS DNR NORMAL % 01
 NUCLEATED RBC DNR NORMAL 0 /100 WBC 01
 COMMENT (S) DNR NORMAL 01

Progesterone, immunoassay

PROGESTERONE 1.0 NORMAL <1.4 ng/mL 01

Prolactin

PROLACTIN 7.3 NORMAL 2.0-18.0 ng/mL 01

Iron, Total and Total Iron Binding Capacity

IRON, TOTAL 58 NORMAL 50-195 mcg/dL 01
 IRON BINDING CAPACITY 373 NORMAL 250-425 mcg/dL (calc) 01
 % SATURATION 16 LOW 20-48 % (calc) 01

Lipid Panel, Standard

CHOLESTEROL, TOTAL	218	HIGH	<200 mg/dL	01
HDL CHOLESTEROL	24	LOW	> OR = 40 mg/dL	01
TRIGLYCERIDES	147	NORMAL	<150 mg/dL	01
LDL-CHOLESTEROL	165	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/HDL-C RATIO	9.1	HIGH	<5.0 (calc)	01
NON HDL CHOLESTEROL	194	HIGH	<130 mg/dL (calc)	01

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.

TSH				
TSH	1.90	NORMAL	0.40-4.50 mIU/L	01
