

RIGLIETTI,ROBERT

DOB: 07/30/1995	Age: 28	Specimen: ZD382629V	Collected: 01/30/2024 07:41	Client #: 90054509
Sex: M	Fasting: Y	Requisition: 0021116	Received: 01/30/2024 07:42	ESKANDER,EIRINY
Phone: (631) 793-2551		Lab Reference ID: 70457345	Reported: 02/05/2024 10:53	DIABETES AND ENDOCRINE
Patient ID: 252171102		Report Status: FINAL / SEE REPORT		SPECIALISTS
				16311 VENTURA BLVD STE 850
				ENCINO, CA 91436-1212
				Phone: (818) 918-2008
				Fax: (818) 483-4854

SPLIT 01/25/2024 FROM 0020576 ; FASTING:YES

▲ ACTH, PLASMA

Analyte	Value
▲ ACTH, PLASMA Reference range applies only to the specimens collected between 7am-10am.	82 H Reference Range: 6-50 pg/mL

▲ CORTISOL, A.M.

Analyte	Value
▲ CORTISOL, A.M. Reference Range 8 a.m. (7-9 a.m.) Specimen: 4.0-22.0	24.3 H mcg/dL

TESTOSTERONE, FREE (DIALYSIS), TOTAL (MS) AND SEX HORMONE BINDING GLOBULIN

Analyte	Value
TESTOSTERONE, TOTAL, MS For additional information, please refer to http://education.questdiagnostics.com/faq/TotalTestosteroneL CMSMS (This link is being provided for informational/educational purposes only.)	657 Reference Range: 250-1100 ng/dL
TESTOSTERONE, FREE This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. 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.	81.9 Reference Range: 35.0-155.0 pg/mL
SEX HORMONE BINDING GLOBULIN	40 Reference Range: 10-50 nmol/L

COMPREHENSIVE METABOLIC PANEL

Analyte	Value
GLUCOSE Fasting reference interval	89 Reference Range: 65-99 mg/dL
UREA NITROGEN (BUN)	17 Reference Range: 7-25 mg/dL
CREATININE	1.07 Reference Range: 0.60-1.24 mg/dL
EGFR	97 Reference Range: > OR = 60 mL/min/1.73m2
BUN/CREATININE RATIO Not Reported: BUN and Creatinine are within reference range.	SEE NOTE: Reference Range: 6-22 (calc)
SODIUM	140 Reference Range: 135-146 mmol/L

POTASSIUM	4.5	Reference Range: 3.5-5.3 mmol/L
CHLORIDE	105	Reference Range: 98-110 mmol/L
CARBON DIOXIDE	26	Reference Range: 20-32 mmol/L
CALCIUM	9.9	Reference Range: 8.6-10.3 mg/dL
PROTEIN, TOTAL	7.2	Reference Range: 6.1-8.1 g/dL
ALBUMIN	4.8	Reference Range: 3.6-5.1 g/dL
GLOBULIN	2.4	Reference Range: 1.9-3.7 g/dL (calc)
ALBUMIN/GLOBULIN RATIO	2.0	Reference Range: 1.0-2.5 (calc)
BILIRUBIN, TOTAL	0.7	Reference Range: 0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	81	Reference Range: 36-130 U/L
AST	12	Reference Range: 10-40 U/L
ALT	14	Reference Range: 9-46 U/L

VITAMIN D,25-OH,TOTAL,IA

Analyte	Value
VITAMIN D,25-OH,TOTAL,IA	37 Reference Range: 30-100 ng/mL
Vitamin D Status	25-OH Vitamin D:
Deficiency:	<20 ng/mL
Insufficiency:	20 - 29 ng/mL
Optimal:	> or = 30 ng/mL
<p>For 25-OH Vitamin D testing on patients on D2-supplementation and patients for whom quantitation of D2 and D3 fractions is required, the QuestAssured(TM) 25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order code 92888 (patients >2yrs).</p>	

COMMENT

See Note 1

Note 1

For additional information, please refer to <http://education.QuestDiagnostics.com/faq/FAQ199> (This link is being provided for informational/ educational purposes only.)

HEMOGLOBIN A1c

Analyte	Value
HEMOGLOBIN A1c	4.8 Reference Range: <5.7 % of total Hgb
<p>For the purpose of screening for the presence of diabetes:</p> <p><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</p> <p>This assay result is consistent with a decreased risk of diabetes.</p> <p>Currently, no consensus exists regarding use of hemoglobin A1c for diagnosis of diabetes in children.</p> <p>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).</p>	

COMMENT

HbA1c performed on Abbott platform.

LIPID PANEL, STANDARD

Analyte	Value	
CHOLESTEROL, TOTAL	159	Reference Range: <200 mg/dL
HDL CHOLESTEROL	46	Reference Range: > OR = 40 mg/dL
TRIGLYCERIDES	114	Reference Range: <150 mg/dL
LDL-CHOLESTEROL	92	mg/dL (calc)
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/HDLC RATIO	3.5	Reference Range: <5.0 (calc)
NON HDL CHOLESTEROL	113	Reference Range: <130 mg/dL (calc)
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.		

THYROID PEROXIDASE AND THYROGLOBULIN ANTIBODIES

Analyte	Value	
THYROGLOBULIN ANTIBODIES	<1	Reference Range: < or = 1 IU/mL
THYROID PEROXIDASE ANTIBODIES	<1	Reference Range: <9 IU/mL

PTH, INTACT (ICMA) AND IONIZED CALCIUM

Analyte	Value	
PARATHYROID HORMONE, INTACT	76	Reference Range: 16-77 pg/mL
Interpretive Guide	Intact PTH	Calcium
-----	-----	-----
Normal Parathyroid	Normal	Normal
Hypoparathyroidism	Low or Low Normal	Low
Hyperparathyroidism		
Primary	Normal or High	High
Secondary	High	Normal or Low
Tertiary	High	High
Non-Parathyroid		
Hypercalcemia	Low or Low Normal	High
CALCIUM	9.9	Reference Range: 8.6-10.3 mg/dL
CALCIUM, IONIZED	5.1	Reference Range: 4.7-5.5 mg/dL

URIC ACID

Analyte	Value	
URIC ACID	5.9	Reference Range: 4.0-8.0 mg/dL
Therapeutic target for gout patients: <6.0 mg/dL		

SED RATE BY MODIFIED WESTERGREN

Analyte	Value
SED RATE BY MODIFIED WESTERGREN	2 Reference Range: < OR = 15 mm/h

CBC (INCLUDES DIFF/PLT)

Analyte	Value
WHITE BLOOD CELL COUNT	5.9 Reference Range: 3.8-10.8 Thousand/uL
RED BLOOD CELL COUNT	5.39 Reference Range: 4.20-5.80 Million/uL
HEMOGLOBIN	16.3 Reference Range: 13.2-17.1 g/dL
HEMATOCRIT	46.8 Reference Range: 38.5-50.0 %
MCV	86.8 Reference Range: 80.0-100.0 fL
MCH	30.2 Reference Range: 27.0-33.0 pg
MCHC	34.8 Reference Range: 32.0-36.0 g/dL
RDW	12.8 Reference Range: 11.0-15.0 %
PLATELET COUNT	265 Reference Range: 140-400 Thousand/uL
MPV	8.3 Reference Range: 7.5-12.5 fL
ABSOLUTE NEUTROPHILS	3015 Reference Range: 1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	2189 Reference Range: 850-3900 cells/uL
ABSOLUTE MONOCYTES	566 Reference Range: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	100 Reference Range: 15-500 cells/uL
ABSOLUTE BASOPHILS	30 Reference Range: 0-200 cells/uL
NEUTROPHILS	51.1 %
LYMPHOCYTES	37.1 %
MONOCYTES	9.6 %
EOSINOPHILS	1.7 %
BASOPHILS	0.5 %

HS CRP

Analyte	Value
HS CRP	0.5 mg/L

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.

FERRITIN

Analyte	Value
FERRITIN	86 Reference Range: 38-380 ng/mL

INSULIN

Analyte	Value
INSULIN	5.7 uIU/mL

Reference Range < or = 18.4

Risk:
Optimal < or = 18.4
Moderate NA
High >18.4

Adult cardiovascular event risk category cut points (optimal, moderate, high) are based on Insulin Reference Interval studies performed at Quest Diagnostics in 2022.

T4, FREE

Analyte	Value
T4, FREE	1.3 Reference Range: 0.8-1.8 ng/dL

TSH

Analyte	Value
TSH	4.18 Reference Range: 0.40-4.50 mIU/L

VITAMIN B12

Analyte	Value
VITAMIN B12	340 Reference Range: 200-1100 pg/mL

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 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.



T3, FREE

Analyte	Value
T3, FREE	3.7 Reference Range: 2.3-4.2 pg/mL

Performing Sites

EN Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA 91304-3226 Laboratory Director: Tab Toochinda MD
EZ Quest Diagnostics/Nichols SJC-San Juan Capistrano., 33608 Ortega Hwy, San Juan Capistrano, CA 92675-2042 Laboratory Director: Irina Maramica MD,PhD,MBA

Key

 Priority Out of Range  Out of Range

These results have been sent to the person who ordered the tests. Your receipt of these results should not be viewed as medical advice and is not meant to replace discussion with your doctor or other healthcare professional.

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