

▲ TESTOSTERONE, FREE, BIOAVAILABLE AND TOTAL, MALES (ADULT), IMMUNOASSAY

Analyte	Value	
▲ TESTOSTERONE, TOTAL, MALES (ADULT), IA	876 H	Desired Result: 250-827 ng/dL
ALBUMIN	4.3	Desired Result: 3.6-5.1 g/dL
SEX HORMONE BINDING GLOBULIN	23	Desired Result: 10-50 nmol/L

TESTOSTERONE, FREE

Analyte	Value	
TESTOSTERONE, FREE	183.2	Desired Result: 46.0-224.0 pg/mL
TESTOSTERONE, BIOAVAILABLE	360.7	Desired Result: 110.0-575.0 ng/dL

▲ LIPID PANEL, STANDARD

Analyte	Value	
CHOLESTEROL, TOTAL	168	Desired Result: <200 mg/dL
▲ HDL CHOLESTEROL	34 L	Desired Result: > OR = 40 mg/dL
▲ TRIGLYCERIDES	201 H	Desired Result: <150 mg/dL
<p>If a non-fasting specimen was collected, consider repeat triglyceride testing on a fasting specimen if clinically indicated.</p> <p>Jacobson et al. J. of Clin. Lipidol. 2015;9:129-169.</p>		
▲ LDL-CHOLESTEROL	102 H	mg/dL (calc)
<p>Reference range: <100</p> <p>Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with > or = 2 CHD risk factors.</p> <p>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.</p> <p>Martin SS et al. JAMA. 2013;310(19): 2061-2068 (http://education.QuestDiagnostics.com/faq/FAQ164)</p>		
CHOL/HDLC RATIO	4.9	Desired Result: <5.0 (calc)
▲ NON HDL CHOLESTEROL	134 H	Desired Result: <130 mg/dL (calc)
<p>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.</p>		

▲ FERRITIN

Analyte	Value	
▲ FERRITIN	37 L	Desired Result: 38-380 ng/mL

▲ ESTRADIOL,ULTRASENSITIVE, LC/MS

Analyte	Value
▲ ESTRADIOL,ULTRASENSITIVE, LC/MS 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.	90 H Desired Result: < OR = 29 pg/mL

COMPREHENSIVE METABOLIC PANEL

Analyte	Value
GLUCOSE Fasting reference interval	83 Desired Result: 65-99 mg/dL
UREA NITROGEN (BUN)	13 Desired Result: 7-25 mg/dL
CREATININE	1.16 Desired Result: 0.60-1.35 mg/dL
eGFR NON-AFR, AMERICAN	81 Desired Result: > OR = 60 mL/min/1.73m2
eGFR AFRICAN AMERICAN	93 Desired Result: > OR = 60 mL/min/1.73m2
BUN/CREATININE RATIO	NOT APPLICABLE Desired Result: 6-22 (calc)
SODIUM	138 Desired Result: 135-146 mmol/L
POTASSIUM	4.3 Desired Result: 3.5-5.3 mmol/L
CHLORIDE	103 Desired Result: 98-110 mmol/L
CARBON DIOXIDE	30 Desired Result: 20-32 mmol/L
CALCIUM	9.2 Desired Result: 8.6-10.3 mg/dL
PROTEIN, TOTAL	6.4 Desired Result: 6.1-8.1 g/dL
ALBUMIN	4.3 Desired Result: 3.6-5.1 g/dL
GLOBULIN	2.1 Desired Result: 1.9-3.7 g/dL (calc)
ALBUMIN/GLOBULIN RATIO	2.0 Desired Result: 1.0-2.5 (calc)
BILIRUBIN, TOTAL	0.5 Desired Result: 0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	58 Desired Result: 36-130 U/L
AST	17 Desired Result: 10-40 U/L
ALT	25 Desired Result: 9-46 U/L

IGF 1, LC/MS

Analyte	Value
IGF 1, LC/MS	143 Desired Result: 53-331 ng/mL
Z SCORE (MALE) 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.	0.0 Desired Result: -2.0 - +2.0 SD

CBC (INCLUDES DIFF/PLT)

Analyte	Value	
WHITE BLOOD CELL COUNT	5.1	Desired Result: 3.8-10.8 Thousand/uL
RED BLOOD CELL COUNT	5.62	Desired Result: 4.20-5.80 Million/uL
HEMOGLOBIN	17.1	Desired Result: 13.2-17.1 g/dL
HEMATOCRIT	49.8	Desired Result: 38.5-50.0 %
MCV	88.6	Desired Result: 80.0-100.0 fL
MCH	30.4	Desired Result: 27.0-33.0 pg
MCHC	34.3	Desired Result: 32.0-36.0 g/dL
RDW	14.5	Desired Result: 11.0-15.0 %
PLATELET COUNT	182	Desired Result: 140-400 Thousand/uL
MPV	10.5	Desired Result: 7.5-12.5 fL
ABSOLUTE NEUTROPHILS	2876	Desired Result: 1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	1612	Desired Result: 850-3900 cells/uL
ABSOLUTE MONOCYTES	342	Desired Result: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	230	Desired Result: 15-500 cells/uL
ABSOLUTE BASOPHILS	41	Desired Result: 0-200 cells/uL
NEUTROPHILS	56.4	%
LYMPHOCYTES	31.6	%
MONOCYTES	6.7	%
EOSINOPHILS	4.5	%
BASOPHILS	0.8	%

COMMENT

We received your handwritten test order and performed CBC with differential (includes hemogram, platelet count and WBC with automated differential). If you intended to order a CBC without differential or another test, please contact us at 1-866-MYQUEST (1-866-697-8378), to adjust the billing appropriately.

HOUSE ACCOUNT TRACKING

Analyte	Value
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TRACKING HOUSE ACCOUNT

We were unable to identify an account number for the order submitted. If you do not have a Quest Diagnostics account number or if your account information needs to be updated please call 1-866-MYQUEST (866-697-8378) for assistance.

To prevent delays in testing and processing of your orders please provide the following information for this order and with every additional order submitted:
 Quest account number and account name
 Client address
 Client phone and fax number
 NPI number of ordering physician along with the physician name.

TSH

Analyte	Value
TSH	1.23 Desired Result: 0.40-4.50 mIU/L

IRON, TOTAL

Analyte	Value
IRON, TOTAL	123 Desired Result: 50-180 mcg/dL

DHEA SULFATE

Analyte	Value
DHEA SULFATE	154 Desired Result: 106-464 mcg/dL

PSA, TOTAL

Analyte	Value
PSA, TOTAL	1.0 Desired Result: < OR = 4.0 ng/mL

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.

Performing Sites

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

IG Quest Diagnostics-Dallas Lab, 4770 Regent Blvd, Irving, TX 75063-2445 Laboratory Director: Dr. Robert L Breckenridge

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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