MyQuest™

Sex: M
Phone:
Patient ID:

Age: 26
Fasting: Y

Specimen:
Requisition:
Lab Reference ID:
Report Status: FINAL / SEE REPORT

Collected: 08/02/2021 09:39
Received: 08/02/2021 09:42
Reported: 08/07/2021 01:50

FASTING:YES

⚠ COMPREHENSIVE METABOLIC PANEL

Analyte	Value	
GLUCOSE Fasting reference interval	72	Reference Range: 65-99 mg/dL
UREA NITROGEN (BUN)	18	Reference Range: 7-25 mg/dL
CREATININE	1.17	Reference Range: 0.60-1.35 mg/dL
eGFR NON-AFR. AMERICAN	86	Reference Range: > OR = 60 mL/min/1.73m2
eGFR AFRICAN AMERICAN	99	Reference Range: > OR = 60 mL/min/1.73m2
BUN/CREATININE RATIO	NOT APPLICABLE	Reference Range: 6-22 (calc)
SODIUM	141	Reference Range: 135-146 mmol/L
POTASSIUM	4.5	Reference Range: 3.5-5.3 mmol/L
CHLORIDE	104	Reference Range: 98-110 mmol/L
CARBON DIOXIDE	28	Reference Range: 20-32 mmol/L
CALCIUM	9.8	Reference Range: 8.6-10.3 mg/dL
PROTEIN, TOTAL	7.2	Reference Range: 6.1-8.1 g/dL
ALBUMIN	4.5	Reference Range: 3.6-5.1 g/dL
GLOBULIN	2.7	Reference Range: 1.9-3.7 g/dL (calc)
ALBUMIN/GLOBULIN RATIO	1.7	Reference Range: 1.0-2.5 (calc)
BILIRUBIN, TOTAL	0.7	Reference Range: 0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	55	Reference Range: 36-130 U/L
⚠ **AST**	47 H	Reference Range: 10-40 U/L
⚠ **ALT**	79 H	Reference Range: 9-46 U/L

⚠ ESTRADIOL,ULTRASENSITIVE, LC/MS

Analyte	Value	
⚠ **ESTRADIOL,ULTRASENSITIVE, LC/MS**	30 H	Reference Range: < OR = 29 pg/mL

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.

⚠ TESTOSTERONE, FREE (DIALYSIS) AND TOTAL,MS

Analyte	Value

TESTOSTERONE, TOTAL, MS	**806**	Reference Range: 250-1100 ng/dL

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	**160.4 H**	Reference Range: 35.0-155.0 pg/mL

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.

IGF 1, LC/MS

Analyte	Value	
IGF 1, LC/MS	**251**	Reference Range: 63-373 ng/mL
Z SCORE (MALE)	**0.8**	Reference Range: -2.0 - +2.0 SD

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LIPID PANEL, STANDARD

Analyte	Value	
CHOLESTEROL, TOTAL	**139**	Reference Range: <200 mg/dL
HDL CHOLESTEROL	**54**	Reference Range: > OR = 40 mg/dL
TRIGLYCERIDES	**76**	Reference Range: <150 mg/dL
LDL-CHOLESTEROL	**69**	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	**2.6**	Reference Range: <5.0 (calc)
NON HDL CHOLESTEROL	**85**	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 PANEL WITH TSH

Analyte	Value

TSH	**0.66**	Reference Range: 0.40-4.50 mIU/L

THYROID PANEL

Analyte	Value	
T3 UPTAKE	**31**	Reference Range: 22-35 %
T4 (THYROXINE), TOTAL	**7.2**	Reference Range: 4.9-10.5 mcg/dL
FREE T4 INDEX (T7)	**2.2**	Reference Range: 1.4-3.8

CBC (INCLUDES DIFF/PLT)

Analyte	Value	
WHITE BLOOD CELL COUNT	**5.7**	Reference Range: 3.8-10.8 Thousand/uL
RED BLOOD CELL COUNT	**5.57**	Reference Range: 4.20-5.80 Million/uL
HEMOGLOBIN	**16.3**	Reference Range: 13.2-17.1 g/dL
HEMATOCRIT	**48.6**	Reference Range: 38.5-50.0 %
MCV	**87.3**	Reference Range: 80.0-100.0 fL
MCH	**29.3**	Reference Range: 27.0-33.0 pg
MCHC	**33.5**	Reference Range: 32.0-36.0 g/dL
RDW	**12.1**	Reference Range: 11.0-15.0 %
PLATELET COUNT	**302**	Reference Range: 140-400 Thousand/uL
MPV	**10.0**	Reference Range: 7.5-12.5 fL
ABSOLUTE NEUTROPHILS	**3095**	Reference Range: 1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	**1989**	Reference Range: 850-3900 cells/uL
ABSOLUTE MONOCYTES	**456**	Reference Range: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	**120**	Reference Range: 15-500 cells/uL
ABSOLUTE BASOPHILS	**40**	Reference Range: 0-200 cells/uL
NEUTROPHILS	**54.3**	%
LYMPHOCYTES	**34.9**	%
MONOCYTES	**8.0**	%
EOSINOPHILS	**2.1**	%
BASOPHILS	**0.7**	%

CORTISOL, TOTAL

Analyte	Value	
CORTISOL, TOTAL	**16.8**	mcg/dL

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Reference Range: For 8 a.m.(7-9 a.m.) Specimen: 4.0-22.0
Reference Range: For 4 p.m.(3-5 p.m.) Specimen:  3.0-17.0
  * Please interpret above results accordingly *
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DHEA SULFATE

Analyte	Value	
DHEA SULFATE	**283**	Reference Range: 85-690 mcg/dL

PROGESTERONE

Analyte	Value

PROGESTERONE	**0.6**	Reference Range: <1.4 ng/mL

PROLACTIN

Analyte	Value	
PROLACTIN	**3.7**	Reference Range: 2.0-18.0 ng/mL

PSA, TOTAL

Analyte	Value	
PSA, TOTAL	**0.7**	Reference Range: < 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.

SEX HORMONE BINDING GLOBULIN

Analyte	Value	
SEX HORMONE BINDING GLOBULIN	**35**	Reference Range: 10-50 nmol/L

Performing Sites

AMD Quest Diagnostics/Nichols Chantilly-Chantilly VA, 14225 Newbrook Dr, Chantilly, VA 20151-2228 Laboratory Director: Patrick W Mason M.D.,PhD

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

Z99 Quest Diagnostics-Clifton, 1 Insights Drive, Clifton, NJ 07012-2355 Laboratory Director: Lawrence Tsao MD

Key

Priority Out of Range Out of Range