

Quest Diagnostics  
 SPECIMEN INFORMATION  
 SPECIMEN:  
 REQUISITION:  
 Lab ref no:

PATIENT INFORMATION  
**Name**  
 DOB:  
 AGE:  
 GENDER:  
 FASTING:

REPORT STATUS: FINAL  
 ORDERING PHYSICIAN  
**Name**  
 CLIENT INFORMATION  
 Private MD Labs

COLLECTED: 11/03/2022 10:07AM PDT  
 RECEIVED: 11/03/2022 10:08AM PDT  
 REPORTED: 11/08/2022 06:43PM PST

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
FASTING: YES				
<b>Comprehensive Metabolic Panel</b>				
GLUCOSE	100	HIGH	65-99 mg/dL	01
Fasting reference interval				
For someone without known diabetes, a glucose value between 100 and 125 mg/dL is consistent with prediabetes and should be confirmed with a follow-up test.				
UREA NITROGEN (BUN)	11	NORMAL	7-25 mg/dL	01
CREATININE	0.79	NORMAL	0.60-1.26 mg/dL	01
EGFR	121	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 <a href="https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator">https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator</a>				
BUN/CREATININE RATIO	NOT APPLICABLE	NORMAL	6-22 (calc)	01
SODIUM	140	NORMAL	135-146 mmol/L	01
POTASSIUM	4.4	NORMAL	3.5-5.3 mmol/L	01
CHLORIDE	107	NORMAL	98-110 mmol/L	01
CARBON DIOXIDE	21	NORMAL	20-32 mmol/L	01
CALCIUM	9.3	NORMAL	8.6-10.3 mg/dL	01
PROTEIN, TOTAL	6.8	NORMAL	6.1-8.1 g/dL	01
ALBUMIN	4.5	NORMAL	3.6-5.1 g/dL	01
GLOBULIN	2.3	NORMAL	1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	2.0	NORMAL	1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	1.3	HIGH	0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	94	NORMAL	36-130 U/L	01
AST	20	NORMAL	10-40 U/L	01
ALT	15	NORMAL	9-46 U/L	01
<b>IGF-1, LC/MS</b>				
IGF 1, LC/MS	178	NORMAL	53-331 ng/mL	03
Z SCORE (MALE)	0.4	NORMAL	-2.0 - +2.0 SD	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.				
Z SCORE (FEMALE)	DNR	NORMAL		03
<b>Estradiol, Ultrasensitive, LC/MS</b>				
ESTRADIOL, ULTRASENSITIVE, LC/MS	37	HIGH	< OR = 29 pg/mL	03

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**Testosterone, Free (Dialysis) and Total, MS**

TESTOSTERONE, TOTAL, MS	546	NORMAL	250-1100 ng/dL	02
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For additional information, please refer to <http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS> (This link is being provided for informational/educational purposes only.)

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TESTOSTERONE, FREE	108.6	NORMAL	35.0-155.0 pg/mL	02
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**PSA, TOTAL**

PSA, TOTAL	1.11	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	6.4	NORMAL	3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	5.30	NORMAL	4.20-5.80 Million/uL	01
HEMOGLOBIN	16.0	NORMAL	13.2-17.1 g/dL	01
HEMATOCRIT	46.2	NORMAL	38.5-50.0 %	01
MCV	87.2	NORMAL	80.0-100.0 fL	01
MCH	30.2	NORMAL	27.0-33.0 pg	01
MCHC	34.6	NORMAL	32.0-36.0 g/dL	01
RDW	12.4	NORMAL	11.0-15.0 %	01
PLATELET COUNT	267	NORMAL	140-400 Thousand/uL	01
MPV	10.4	NORMAL	7.5-12.5 fL	01
ABSOLUTE NEUTROPHILS	3584	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	1920	NORMAL	850-3900 cells/uL	01
ABSOLUTE MONOCYTES	493	NORMAL	200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	352	NORMAL	15-500 cells/uL	01
ABSOLUTE BASOPHILS	51	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	NORMAL	%	01
BAND NEUTROPHILS	DNR	NORMAL	%	01
METAMYELOCYTES	DNR	NORMAL	%	01
MYELOCYTES	DNR	NORMAL	%	01
PROMYELOCYTES	DNR	NORMAL	%	01
LYMPHOCYTES	30.0	NORMAL	%	01
REACTIVE LYMPHOCYTES	DNR	NORMAL	0-10 %	01
MONOCYTES	7.7	NORMAL	%	01
EOSINOPHILS	5.5	NORMAL	%	01
BASOPHILS	0.8	NORMAL	%	01
BLASTS	DNR	NORMAL	%	01
NUCLEATED RBC	DNR	NORMAL	0 /100 WBC	01
COMMENT(S)	DNR	NORMAL		01

**Thyroid Panel with TSH**

T3 UPTAKE	32	NORMAL	22-35 %	01
T4 (THYROXINE), TOTAL	6.4	NORMAL	4.9-10.5 mcg/dL	01
FREE T4 INDEX (T7)	2.0	NORMAL	1.4-3.8	01
TSH	0.83	NORMAL	0.40-4.50 mIU/L	01

**Lipid Panel, Standard**

CHOLESTEROL, TOTAL	122	NORMAL	<200 mg/dL	01
HDL CHOLESTEROL	45	NORMAL	> OR = 40 mg/dL	01
TRIGLYCERIDES	53	NORMAL	<150 mg/dL	01
LDL-CHOLESTEROL	64	NORMAL	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	2.7	NORMAL	<5.0 (calc)	01
NON HDL CHOLESTEROL	77	NORMAL	<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.

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