

Quest Diagnostics	PATIENT INFORMATION	REPORT STATUS: FINAL
SPECIMEN INFORMATION	<b>Name</b>	ORDERING PHYSICIAN
SPECIMEN:	DOB:	<b>Name</b>
REQUISITION:	AGE:	CLIENT INFORMATION
Lab ref no:	GENDER:	Private MD Labs
	FASTING:	

COLLECTED: 10/17/2022 09:03AM PDT  
 RECEIVED: 10/17/2022 09:04AM PDT  
 REPORTED: 10/21/2022 10:20PM PDT

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
<b>Comprehensive Metabolic Panel</b>				
GLUCOSE	90	NORMAL	65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	24	NORMAL	7-25 mg/dL	01
CREATININE	1.17	NORMAL	0.60-1.26 mg/dL	01
EGFR	84	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	4.5	NORMAL	3.5-5.3 mmol/L	01
CHLORIDE	103	NORMAL	98-110 mmol/L	01
CARBON DIOXIDE	30	NORMAL	20-32 mmol/L	01
CALCIUM	9.9	NORMAL	8.6-10.3 mg/dL	01
PROTEIN, TOTAL	6.6	NORMAL	6.1-8.1 g/dL	01
ALBUMIN	4.3	NORMAL	3.6-5.1 g/dL	01
GLOBULIN	2.3	NORMAL	1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	1.9	NORMAL	1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	0.5	NORMAL	0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	71	NORMAL	36-130 U/L	01
AST	41	HIGH	10-40 U/L	01
ALT	50	HIGH	9-46 U/L	01
<b>Testosterone, Total, MS</b>				
TESTOSTERONE, TOTAL, MS	1836	HIGH	250-1100 ng/dL	03

For additional information, please refer to <https://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS>  
 (This link is being provided for informational/educational purposes only.)  
 (Note)

This test was developed and its analytical performance characteristics have been determined by medfusion. It has not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

MDF  
 med fusion  
 2501 South State Highway 121, Suite 1100  
 Lewisville TX 75067  
 972-966-7300  
 Michael Chaump, MD

**LIPID PANEL WITH RATIOS**

CHOLESTEROL, TOTAL	194	NORMAL	<200 mg/dL	01
HDL CHOLESTEROL	38	LOW	> OR = 40 mg/dL	01
TRIGLYCERIDES	155	HIGH	<150 mg/dL	01
LDL-CHOLESTEROL	129	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/HDLRATIO	5.1	HIGH	<5.0 (calc)	01
LDL/HDL RATIO	3.4	NORMAL	(calc)	01

Below Average Risk: <2.28  
Average Risk: 2.29-4.90  
Moderate Risk: 4.91-7.12  
High Risk: >7.13

NON HDL CHOLESTEROL	156	HIGH	<130 mg/dL (calc)	01
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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.

**Estradiol, Ultrasensitive, LC/MS**

ESTRADIOL,ULTRASENSITIVE, LC/MS	14	NORMAL	< OR = 29 pg/mL	02
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This test was developed and its analytical performance  
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Nichols Institute San Juan Capistrano. It has not been  
cleared or approved by FDA. This assay has been validated  
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purposes.

**FSH (Follicle Stimulating Hormone)**

FSH	<0.7	LOW	1.6-8.0 mIU/mL	01
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**LUTEINIZING HORMONE**

LH	<0.2	LOW	1.5-9.3 mIU/mL	01
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**CBC (includes Differential and Platelets)**

WHITE BLOOD CELL COUNT	5.9	NORMAL	3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	6.07	HIGH	4.20-5.80 Million/uL	01
HEMOGLOBIN	18.1	HIGH	13.2-17.1 g/dL	01
HEMATOCRIT	53.0	HIGH	38.5-50.0 %	01
MCV	87.3	NORMAL	80.0-100.0 fL	01
MCH	29.8	NORMAL	27.0-33.0 pg	01
MCHC	34.2	NORMAL	32.0-36.0 g/dL	01
RDW	12.5	NORMAL	11.0-15.0 %	01
PLATELET COUNT	276	NORMAL	140-400 Thousand/uL	01
MPV	9.3	NORMAL	7.5-12.5 fL	01
ABSOLUTE NEUTROPHILS	2755	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	1900	NORMAL	850-3900 cells/uL	01
ABSOLUTE MONOCYTES	596	NORMAL	200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	596	HIGH	15-500 cells/uL	01
ABSOLUTE BASOPHILS	53	NORMAL	0-200 cells/uL	01

	DNR	NORMAL	0 cells/uL	01
ABSOLUTE BLASTS				
ABSOLUTE NUCLEATED RBC	DNR	NORMAL	0 cells/uL	01
NEUTROPHILS	46.7	NORMAL	%	01
BAND NEUTROPHILS	DNR	NORMAL	%	01
METAMYELOCYTES	DNR	NORMAL	%	01
MYELOCYTES	DNR	NORMAL	%	01
PROMYELOCYTES	DNR	NORMAL	%	01
LYMPHOCYTES	32.2	NORMAL	%	01
REACTIVE LYMPHOCYTES	DNR	NORMAL	0-10 %	01
MONOCYTES	10.1	NORMAL	%	01
EOSINOPHILS	10.1	NORMAL	%	01
BASOPHILS	0.9	NORMAL	%	01
BLASTS	DNR	NORMAL	%	01
NUCLEATED RBC	DNR	NORMAL	0 /100 WBC	01
COMMENT(S)	DNR	NORMAL		01

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