

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

COLLECTED: 10/21/2022 05:54AM PDT
RECEIVED: 10/21/2022 05:55AM PDT
REPORTED: 10/25/2022 10:23AM PDT

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
Comprehensive Metabolic Panel				
GLUCOSE	87	NORMAL	65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	16	NORMAL	7-25 mg/dL	01
CREATININE	1.09	NORMAL	0.60-1.24 mg/dL	01
EGFR	97	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 https://www.kidney.org/professionals/kdoqi/gfr%5Fcalculator				
BUN/CREATININE RATIO	NOT APPLICABLE	NORMAL	6-22 (calc)	01
SODIUM	142	NORMAL	135-146 mmol/L	01
POTASSIUM	4.3	NORMAL	3.5-5.3 mmol/L	01
CHLORIDE	103	NORMAL	98-110 mmol/L	01
CARBON DIOXIDE	31	NORMAL	20-32 mmol/L	01
CALCIUM	10.1	NORMAL	8.6-10.3 mg/dL	01
PROTEIN, TOTAL	7.4	NORMAL	6.1-8.1 g/dL	01
ALBUMIN	4.8	NORMAL	3.6-5.1 g/dL	01
GLOBULIN	2.6	NORMAL	1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	1.8	NORMAL	1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	1.2	NORMAL	0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	77	NORMAL	36-130 U/L	01
AST	37	NORMAL	10-40 U/L	01
ALT	36	NORMAL	9-46 U/L	01
Testosterone, Total, MS				
TESTOSTERONE, TOTAL, MS	1597	HIGH	250-1100 ng/dL	02

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

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics. 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.

Estradiol				
ESTRADIOL	47	HIGH	< OR = 39 pg/mL	01
Reference range established on post-pubertal patient population. No pre-pubertal reference range established using this assay. For any patients for whom low Estradiol levels are anticipated (e.g. males, pre-pubertal children and hypogonadal/post-menopausal females), the Quest Diagnostics Nichols Institute Estradiol, Ultrasensitive, LCMSMS assay is recommended (order code 30289).				

Please note: patients being treated with the drug fulvestrant (Faslodex(R)) have demonstrated significant interference in immunoassay methods for estradiol measurement. The cross reactivity could lead to falsely elevated estradiol test results leading to an inappropriate clinical assessment of estrogen status.

Quest Diagnostics order code 30289-Estradiol, Ultrasensitive LC/MS/MS demonstrates negligible cross reactivity with fulvestrant.

FSH (Follicle Stimulating Hormone)

FSH <0.7 LOW 1.6-8.0 mIU/mL 01

LUTEINIZING HORMONE

LH <0.2 LOW 1.5-9.3 mIU/mL 01

CBC (includes Differential and Platelets)

WHITE BLOOD CELL COUNT	7.9	NORMAL	3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	5.90	HIGH	4.20-5.80 Million/uL	01
HEMOGLOBIN	17.6	HIGH	13.2-17.1 g/dL	01
HEMATOCRIT	54.1	HIGH	38.5-50.0 %	01
MCV	91.7	NORMAL	80.0-100.0 fL	01
MCH	29.8	NORMAL	27.0-33.0 pg	01
MCHC	32.5	NORMAL	32.0-36.0 g/dL	01
RDW	12.9	NORMAL	11.0-15.0 %	01
PLATELET COUNT	259	NORMAL	140-400 Thousand/uL	01
MPV	12.2	NORMAL	7.5-12.5 fL	01
ABSOLUTE NEUTROPHILS	4416	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	2046	NORMAL	850-3900 cells/uL	01
ABSOLUTE MONOCYTES	861	NORMAL	200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	490	NORMAL	15-500 cells/uL	01
ABSOLUTE BASOPHILS	87	NORMAL	0-200 cells/uL	01
ABSOLUTE BLASTS	DNR	NORMAL	0 cells/uL	01
ABSOLUTE NUCLEATED RBC	DNR	NORMAL	0 cells/uL	01
NEUTROPHILS	55.9	NORMAL	%	01
BAND NEUTROPHILS	DNR	NORMAL	%	01
METAMYELOCYTES	DNR	NORMAL	%	01
MYELOCYTES	DNR	NORMAL	%	01
PROMYELOCYTES	DNR	NORMAL	%	01
LYMPHOCYTES	25.9	NORMAL	%	01
REACTIVE LYMPHOCYTES	DNR	NORMAL	0-10 %	01
MONOCYTES	10.9	NORMAL	%	01
EOSINOPHILS	6.2	NORMAL	%	01
BASOPHILS	1.1	NORMAL	%	01
BLASTS	DNR	NORMAL	%	01
NUCLEATED RBC	DNR	NORMAL	0 /100 WBC	01
COMMENT(S)	DNR	NORMAL		01

Lipid Panel, Standard

CHOLESTEROL, TOTAL	223	HIGH	<200 mg/dL	01
HDL CHOLESTEROL	50	NORMAL	> OR = 40 mg/dL	01
TRIGLYCERIDES	135	NORMAL	<150 mg/dL	01
LDL-CHOLESTEROL	147	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/HDL-C RATIO	4.5	NORMAL	<5.0 (calc)	01
NON HDL CHOLESTEROL	173	HIGH	<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.
