

Quest Diagnostics

PATIENT INFORMATION

REPORT STATUS: FINAL

SPECIMEN INFORMATION

Cr

ORDERING PHYSICIAN

SPECIMEN: TM948628E

DOB: June 1988

Frangos, Jennifer

REQUISITION: 94292400

GENDER: Male

NPI: 1043416696

Lab ref no:

FASTING: Unknown

CLIENT INFORMATION

COLLECTED: 10/14/2021 01:25PM PDT

Clinical Info:

JasonHealth.com

RECEIVED: 10/14/2021 01:26PM PDT

1887 Whitney Mesa # 040

REPORTED: 10/30/2021 03:46PM PDT

Test Name	Result	Flag	Reference Range	Lab
FASTING: YES				
FASTING: YES				
COMPREHENSIVE METABOLIC PANEL W/EGFR				
GLUCOSE	77	NORMAL	65-99 mg/dL	01
Fasting reference interval				
UREA NITROGEN (BUN)	20	NORMAL	7-25 mg/dL	01
CREATININE	0.86	NORMAL	0.60-1.35 mg/dL	01
eGFR NON-AFR. AMERICAN	114	NORMAL	> OR = 60 mL/min/1.73m2	01
eGFR AFRICAN AMERICAN	132	NORMAL	> OR = 60 mL/min/1.73m2	01
BUN/CREATININE RATIO	NOT APPLICABLE	NORMAL	6-22 (calc)	01
SODIUM	137	NORMAL	135-146 mmol/L	01
POTASSIUM	4.5	NORMAL	3.5-5.3 mmol/L	01
CHLORIDE	102	NORMAL	98-110 mmol/L	01
CARBON DIOXIDE	26	NORMAL	20-32 mmol/L	01
CALCIUM	9.3	NORMAL	8.6-10.3 mg/dL	01
PROTEIN, TOTAL	6.9	NORMAL	6.1-8.1 g/dL	01
ALBUMIN	4.5	NORMAL	3.6-5.1 g/dL	01
GLOBULIN	2.4	NORMAL	1.9-3.7 g/dL (calc)	01
ALBUMIN/GLOBULIN RATIO	1.9	NORMAL	1.0-2.5 (calc)	01
BILIRUBIN, TOTAL	0.6	NORMAL	0.2-1.2 mg/dL	01
ALKALINE PHOSPHATASE	40	NORMAL	36-130 U/L	01
AST	37	NORMAL	10-40 U/L	01
ALT	50	HIGH	9-46 U/L	01
TESTOSTERONE, FREE, BIO AND TOTAL, LC/MS/MS				
TESTOSTERONE, TOTAL, MS	2399	HIGH	250-1100 ng/dL	02
For additional information, please refer to http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMSFAQ165 (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 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.				
TESTOSTERONE, FREE	391.2	HIGH	46.0-224.0 pg/mL	02
TESTOSTERONE, BIOAVAILABLE	838.5	HIGH	110.0-575.0 ng/dL	02
SEX HORMONE BINDING GLOBULIN	47	NORMAL	10-50 nmol/L	02
ALBUMIN	4.7	NORMAL	3.6-5.1 g/dL	02
DHEA SULFATE, IMMUNOASSAY				
DHEA SULFATE	332	NORMAL	106-464 mcg/dL	01
ESTRADIOL, REBASELINE				
ESTRADIOL	27	NORMAL	< 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.

PSA, TOTAL

PSA, TOTAL	0.63	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 DIFF/PLT)

WHITE BLOOD CELL COUNT	4.8	NORMAL	3.8-10.8 Thousand/uL	01
RED BLOOD CELL COUNT	6.14	HIGH	4.20-5.80 Million/uL	01
HEMOGLOBIN	17.9	HIGH	13.2-17.1 g/dL	01
HEMATOCRIT	53.4	HIGH	38.5-50.0 %	01
MCV	87.0	NORMAL	80.0-100.0 fL	01
MCH	29.2	NORMAL	27.0-33.0 pg	01
MCHC	33.5	NORMAL	32.0-36.0 g/dL	01
RDW	14.0	NORMAL	11.0-15.0 %	01
PLATELET COUNT	243	NORMAL	140-400 Thousand/uL	01
MPV	10.1	NORMAL	7.5-12.5 fL	01
ABSOLUTE NEUTROPHILS	2438	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	1685	NORMAL	850-3900 cells/uL	01
ABSOLUTE MONOCYTES	538	NORMAL	200-950 cells/uL	01
ABSOLUTE EOSINOPHILS	101	NORMAL	15-500 cells/uL	01
ABSOLUTE BASOPHILS	38	NORMAL	0-200 cells/uL	01
ABSOLUTE BLASTS	DNR	NORMAL	0 cells/uL	01
ABSOLUTE NUCLEATED RBC	DNR	NORMAL	0 cells/uL	01
NEUTROPHILS	50.8	NORMAL	%	01
BAND NEUTROPHILS	DNR	NORMAL	%	01
METAMYELOCYTES	DNR	NORMAL	%	01
MYELOCYTES	DNR	NORMAL	%	01
PROMYELOCYTES	DNR	NORMAL	%	01
LYMPHOCYTES	35.1	NORMAL	%	01
REACTIVE LYMPHOCYTES	DNR	NORMAL	0-10 %	01
MONOCYTES	11.2	NORMAL	%	01
EOSINOPHILS	2.1	NORMAL	%	01
BASOPHILS	0.8	NORMAL	%	01

BLASTS	DNR	NORMAL	%	01
NUCLEATED RBC	DNR	NORMAL	0 /100 WBC	01
COMMENT(S)	DNR	NORMAL		01

FSH and LH

FSH	<0.7	LOW	1.6-8.0 mIU/mL	01
LH	<0.2	LOW	1.5-9.3 mIU/mL	01

LIPID PANEL (CHOL, HDL-CHOL, LDL-CHOL, TGL)

CHOLESTEROL, TOTAL	110	NORMAL	<200 mg/dL	01
HDL CHOLESTEROL	35	LOW	> OR = 40 mg/dL	01
TRIGLYCERIDES	77	NORMAL	<150 mg/dL	01
LDL-CHOLESTEROL	59	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	3.1	NORMAL	<5.0 (calc)	01
NON HDL CHOLESTEROL	75	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.

Performing Laboratory Information:

01: Quest Diagnostics-Tampa, 4225 E Fowler Ave, Tampa FL, phone: , Director: MD, PhD Glen L Hortin

02: Quest Diagnostics/Nichols Chantilly-Chantilly VA, 14225 Newbrook Dr, Chantilly VA, phone: , Director: MD, PhD Patrick W Mason