COMMENTS: FASTING

Test Name	Results	Reference Range	Lab
COMPREHENSIVE METABOLIC PANEL			MI
GLUCOSE	**130 H**	65-99 mg/dL	
Fasting reference interval			
UREA NITROGEN (BUN)	18	7-25 mg/dL	
CREATININE	1.14	0.70-1.33 mg/dL	
For patients >49 years of age, the reference limit for Creatinine is approximately 13% higher for people identified as African-American.			
eGFR NON-AFR. AMERICAN	73	> OR = 60 mL/min/1.73m2	
eGFR AFRICAN AMERICAN	85	> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	NOT APPLICABLE	6-22 (calc)	
SODIUM	139	135-146 mmol/L	
POTASSIUM	4.1	3.5-5.3 mmol/L	
CHLORIDE	102	98-110 mmol/L	
CARBON DIOXIDE	26	20-31 mmol/L	
CALCIUM	9.6	8.6-10.3 mg/dL	
PROTEIN, TOTAL	6.8	6.1-8.1 g/dL	
ALBUMIN	4.3	3.6-5.1 g/dL	
GLOBULIN	2.5	1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.7	1.0-2.5 (calc)	
BILIRUBIN, TOTAL	**2.0 H**	0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	90	40-115 U/L	
AST	24	10-35 U/L	
ALT	23	9-46 U/L	
IRON AND TOTAL IRON BINDING CAPACITY (REFL)			MI
IRON, TOTAL	143	50-180 mcg/dL	
IRON BINDING CAPACITY	358	250-425 mcg/dL (calc)	
% SATURATION	40	15-60 % (calc)	
CBC (H/H, RBC, INDICES, WBC, PLT)			MI
WHITE BLOOD CELL COUNT	7.1	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	**6.06 H**	4.20-5.80 Million/uL	
HEMOGLOBIN	**17.2 H**	13.2-17.1 g/dL	
HEMATOCRIT	**52.0 H**	38.5-50.0 %	
MCV	85.8	80.0-100.0 fL	

Test Name	Results	Reference Range	Lab
MCH	28.4	27.0-33.0 pg	
MCHC	33.1	32.0-36.0 g/dL	
RDW	13.9	11.0-15.0 %	
PLATELET COUNT	177	140-400 Thousand/uL	
MPV	7.8	7.5-11.5 fL	
FERRITIN	38	20-380 ng/mL	MI
PROLACTIN	16.3	2.0-18.0 ng/mL	MI
T4, FREE	1.1	0.8-1.8 ng/dL	MI
TSH	1.96	0.40-4.50 mIU/L	MI
VITAMIN B12	847	200-1100 pg/mL	MI
ESTRADIOL	**71 H**	< OR = 39 pg/mL	MI

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	0.9	< OR = 4.0 ng/mL	MI

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.

TESTOSTERONE, FREE, LC/MS/MS	151.0	46.0-224.0 pg/mL	SLI
TESTOSTERONE, TOTAL AND FREE AND SEX HORMONE BINDING GLOBULI			
TESTOSTERONE,FR(DIALYSIS) AND TOTAL(LC/MS/MS)			AMD
TESTOSTERONE, TOTAL, LC/MS/MS	821	250-1100 ng/dL	

For more information on this test, go to http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS

FREE TESTOSTERONE	**196.2 H**	35.0-155.0 pg/mL	

Test Name	Results	Reference Range	Lab
SEX HORMONE BINDING GLOBULIN	18	10-50 nmol/L	AMD

PERFORMING SITE:

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MI Quest Diagnostics, 10200 Commerce Pkwy, Miramar, FL 33025-3938 Laboratory Director: Glen L Hortin MD PHD, DR., CLIA: 10D0277334
SLI Quest Diagnostics, 27027 Tourney Rd, Valencia, CA 91355-5386 Laboratory Director: Basel Kashlan, MD,FCAP, CLIA: 05D0550302

The contents of this laboratory test report are based on tests performed by Quest Diagnostics. The report is NOT an official laboratory report. If you require your official laboratory report, please contact your physician.