

## ESTRADIOL

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< OR = 39 pg/mL

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.

**62 H**

## TESTOSTERONE,FR(DIALYSIS) AND TOTAL(LC/MS/MS)

### TESTOSTERONE, TOTAL, LC/MS/MS

250-1100 ng/dL

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

**1827 H**

### FREE TESTOSTERONE

35.0-155.0 pg/mL

**363.6 H**

COMPREHENSIVE METABOLIC PANEL

GLUCOSE 65-99 mg/dL  Fasting reference interval	94	UREA NITROGEN (BUN) 7-25 mg/dL	14
CREATININE 0.60-1.35 mg/dL	1.17	eGFR NON-AFR. AMERICAN > OR = 60 mL/min/1.73m2	80
eGFR AFRICAN AMERICAN > OR = 60 mL/min/1.73m2	92	BUN/CREATININE RATIO 6-22 (calc)	NOT APPLICABLE
SODIUM 135-146 mmol/L	140	POTASSIUM 3.5-5.3 mmol/L	4.5
CHLORIDE 98-110 mmol/L	105	CARBON DIOXIDE 19-30 mmol/L	25
CALCIUM 8.6-10.3 mg/dL	9.3	PROTEIN, TOTAL 6.1-8.1 g/dL	6.5
ALBUMIN 3.6-5.1 g/dL	4.5	GLOBULIN 1.9-3.7 g/dL (calc)	2.0
ALBUMIN/GLOBULIN RATIO 1.0-2.5 (calc)	2.3	BILIRUBIN, TOTAL 0.2-1.2 mg/dL	1.0
ALKALINE PHOSPHATASE 40-115 U/L	67	AST 10-40 U/L	32
ALT 9-46 U/L	37		

CBC (INCLUDES DIFF/PLT)			
WHITE BLOOD CELL COUNT 3.8-10.8 Thousand/uL	5.6	RED BLOOD CELL COUNT 4.20-5.80 Million/uL	5.30
HEMOGLOBIN 13.2-17.1 g/dL	15.3	HEMATOCRIT 38.5-50.0 %	45.5
MCV 80.0-100.0 fL	85.8	MCH 27.0-33.0 pg	28.9
MCHC 32.0-36.0 g/dL	33.7	RDW 11.0-15.0 %	14.4
PLATELET COUNT 140-400 Thousand/uL	233	MPV 7.5-11.5 fL	8.1
ABSOLUTE NEUTROPHILS 1500-7800 cells/uL	3058	ABSOLUTE LYMPHOCYTES 850-3900 cells/uL	1893
ABSOLUTE MONOCYTES 200-950 cells/uL	465	ABSOLUTE EOSINOPHILS 15-500 cells/uL	151
ABSOLUTE BASOPHILS 0-200 cells/uL	34	NEUTROPHILS %	54.6
LYMPHOCYTES %	33.8	MONOCYTES %	8.3
EOSINOPHILS %	2.7	BASOPHILS %	0.6

## IRON, TOTAL

IRON, TOTAL  
50-180 mcg/dL

141

## FERRITIN

FERRITIN  
20-345 ng/mL

28