

## RAMSDEN-STEIN,BENJAMIN

DOB: 10/30/1984  
Sex: M  
Phone: (408) 482-2886  
Patient ID: 3135308

Age: 40  
Fasting: N

Specimen: SZ095107U  
Requisition: 0015075  
Report Status: FINAL

Collected: 05/12/2025 14:59  
Received: 05/12/2025 15:00  
Reported: 05/15/2025 08:32

Client #: 70079975  
RAMSDEN-STEIN,BENJAMIN  
TEVERBAUGH,PATRICK MD  
1400 EMELINE AVE  
SANTA CRUZ, CA 95060-1976  
Phone: (831) 454-4170  
Fax: (831) 454-4484

FASTING:NO

## TESTOSTERONE, FREE, BIOAVAILABLE AND TOTAL, MALES (ADULT), IMMUNOASSAY

Analyte	Value	
TESTOSTERONE, TOTAL, MALES (ADULT), IA	522	Reference Range: 250-827 ng/dL
ALBUMIN	4.8	Reference Range: 3.6-5.1 g/dL
SEX HORMONE BINDING GLOBULIN	33	Reference Range: 10-50 nmol/L
TESTOSTERONE, FREE	69.6	Reference Range: 46.0-224.0 pg/mL
TESTOSTERONE,BIOAVAILABLE	152.1	Reference Range: 110.0-575.0 ng/dL

## FSH AND LH

Analyte	Value	
FSH	6.0	Reference Range: 1.4-12.8 mIU/mL
LH	3.1	Reference Range: 1.5-9.3 mIU/mL

## DHEA, UNCONJUGATED

Analyte	Value	
DHEA, UNCONJUGATED	216	Reference Range: 147-1760 ng/dL
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.		

## HOMOCYSTEINE

Analyte	Value	
HOMOCYSTEINE	4.6	Reference Range: <11.4 umol/L
Homocysteine is increased by functional deficiency of folate or vitamin B12. Testing for methylmalonic acid differentiates between these deficiencies. Other causes of increased homocysteine include renal failure, folate antagonists such as methotrexate and phenytoin, and exposure to nitrous oxide. Selhub J, et al., Ann Intern Med. 1999;131(5):331-9.		

## PROLACTIN

Analyte	Value	
PROLACTIN	5.1	Reference Range: 2.0-18.0 ng/mL

# ESTRADIOL

Analyte	Value
<b>ESTRADIOL</b> 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.	<b>29</b> Reference Range: < OR = 39 pg/mL
<b>Performing Sites</b> EN Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA 91304-3226 Laboratory Director: Thomas J McDonald EZ Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608 Ortega Hwy, San Juan Capistrano, CA 92675-2042 Laboratory Director: Irina Maramica MD,PhD,MBA UL Quest Diagnostics-Sacramento - Northgate, 3714 Northgate Blvd, Sacramento, CA 95834-1617 Laboratory Director: Lorne L Holland	
<b>Key</b> 🚨 Priority Out of Range    ⚠️ Out of Range	

These results have been sent to the person who ordered the tests. Your receipt of these results should not be viewed as medical advice and is not meant to replace discussion with your doctor or other healthcare professional.

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