

Test Name	In Range	Out of Range	Reference Range	Lab
COMPREHENSIVE METABOLIC PANEL				
SODIUM, SERUM	142		135-146 mmol/L	SC
POTASSIUM, SERUM	4.2		3.5-5.3 mmol/L	SC
CHLORIDE, SERUM	105		98-110 mmol/L	SC
CARBON DIOXIDE (CO2)	26		19-30 mmol/L	SC
UREA NITROGEN, BLOOD (BUN)	15		7-25 mg/dL	SC
CREATININE, SERUM	1.00		0.60-1.35 mg/dL	SC
For patients > or = 50 years of age: The upper reference limit for Creatinine is approximately 13% higher for people identified as African-American.				
eGFR	99		>=60 mL/min/1.73m2	SC
eGFR AFRICAN AMERICAN	115		>=60 mL/min/1.73m2	SC
GLUCOSE	85		65-99 mg/dL	SC
FASTING REFERENCE INTERVAL				
CALCIUM, SERUM	9.4		8.6-10.3 mg/dL	SC
PROTEIN, TOTAL	7.4		6.1-8.1 g/dL	SC
ALBUMIN	4.5		3.6-5.1 g/dL	SC
GLOBULIN, TOTAL	2.9		1.9-3.7 g/dL	SC
A/G RATIO	1.6		1.0-2.5 ratio	SC
AST (SGOT)	23		10-40 U/L	SC
BILIRUBIN, TOTAL	0.8		0.2-1.2 mg/dL	SC
ALT (SGPT)	29		9-60 U/L	SC
ALKALINE PHOSPHATASE	115		40-115 U/L	SC
T3, REVERSE	26		11-32 ng/dL	NI

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IGF BINDING PROTEIN-2				
IGFBP-2	60		38-267 ng/mL	NI
This test was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, San Juan Capistrano. Performance characteristics refer to the analytical performance of the test.				
DHEA SULFATE				
DHEA-S		402 H	110-370 mcg/dL	WH
T3, FREE	3.1		2.3-4.2 pg/mL	SC
TSH				
TSH	1.78		0.40-4.50 mIU/L	SC
T4, FREE				
THYROXINE, FREE, DIRECT	1.0		0.8-1.8 ng/dL	SC
The current lot of free T4 reagent available from the manufacturer produces results that are approximately 9% higher than previous reagent lots. Please interpret these results accordingly.				
ESTRADIOL (E2)	35		< OR = 39 pg/mL	SC
** Abnormal results for this test will not appear in the out of range column.				
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 30289X)				
FOLLICLE STIMULATING HORMONE (FSH)				
FOLLICLE STIM. HORMONE	2.8		1.6-8.0 mIU/mL	SC
** Abnormal results for this test will not appear in the out of range column.				

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LUTEINIZING HORMONE (LH)	4.8		1.5-9.3 mIU/mL	SC
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\*\* Abnormal results for this test will not appear in the out of range column.

LH reference ranges established on post-pubertal patient population. Reference range not established for pre-pubertal patients using this assay. For pre-pubertal patients, the Quest Diagnostics Nichols Institute LH, Pediatric assay is recommended (Order Code 36086X).

#### TESTOSTERONE, TOTAL, MALES

TESTOSTERONE, TOTAL	348		241-827 ng/dL	SC
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In hypogonadal males, Testosterone, Total, LC/MS/MS, is the recommended assay. The test code (15983X) must be collected in a red-top tube with no gel. The Endocrine Society recommends obtaining at least two morning (8-10 a.m.) samples on different days when screening for hypogonadism.

#### IGF-I, LC/MS

IGF-I, ECL	221		53-331 ng/mL	NI
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Z-SCORE (MALE)	0.9		-2.0 - +2.0 SD	NI
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SEX HORMONE BINDING GLOBULIN	23		10-50 nmol/L	Q9
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