

Test Name	In Range	Out of Range	Reference Range	Lab
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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
<p>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.</p>				
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
<p>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.</p>				
ESTRADIOL (E2)	35		< OR = 39 pg/mL	SC
<p>** Abnormal results for this test will not appear in the out of range column.</p> <p>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)</p>				
FOLLICLE STIMULATING HORMONE (FSH) FOLLICLE STIM. HORMONE	2.8		1.6-8.0 mIU/mL	SC
<p>** Abnormal results for this test will not appear in the out of range column.</p>				

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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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