

Test Name	In Range	Out Of Range	Reference Range	Lab
COMPREHENSIVE METABOLIC				TP
PANEL				
GLUCOSE		103 H	65-99 mg/dL	
			Fasting reference interval	
UREA NITROGEN (BUN)	12		7-25 mg/dL	
CREATININE	0.99		0.60-1.35 mg/dL	
eGFR NON-AFR. AMERICAN	100		> OR = 60 mL/min/1.73m2	
eGFR AFRICAN AMERICAN	116		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	139		135-146 mmol/L	
POTASSIUM	4.5		3.5-5.3 mmol/L	
CHLORIDE	103		98-110 mmol/L	
CARBON DIOXIDE	26		19-30 mmol/L	
CALCIUM	9.7		8.6-10.3 mg/dL	
PROTEIN, TOTAL	7.2		6.1-8.1 g/dL	
ALBUMIN	4.3		3.6-5.1 g/dL	
GLOBULIN	2.9		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.5		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.5		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	67		40-115 U/L	
AST	24		10-40 U/L	
ALT	24		9-46 U/L	
TSH	2.98		0.40-4.50 mIU/L	TP
T4, FREE	1.0		0.8-1.8 ng/dL	TP
T3, FREE	3.9		2.3-4.2 pg/mL	TP
CORTISOL, TOTAL, LC/MS/MS	20.6		mcg/dL	EZ

Adult Reference Ranges for Cortisol, Total, Serum:

Males and Females	8-10 AM	4.6-20.6 mcg/dL
	4-6 PM	1.8-13.6 mcg/dL

Cortisol Response to ACTH

Adult Males and Females

Peak >20.0 mcg/dL

Peak >16.0 mcg/dL after IM injection

DIHYDROTESTOSTERONE, LC/MS/MS	12 L	16-79 ng/dL	EZ
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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.

PREGNENOLONE, LC/MS/MS	12 L	13-208 ng/dL	EZ
CBC (INCLUDES DIFF/PLT)			TP
WHITE BLOOD CELL COUNT	10.3	3.8-10.8 Thousand/uL	
RED BLOOD CELL COUNT	5.62	4.20-5.80 Million/uL	
HEMOGLOBIN	15.1	13.2-17.1 g/dL	

Test Name	In Range	Out Of Range	Reference Range	Lab
HEMATOCRIT	46.5		38.5-50.0 %	
MCV	82.8		80.0-100.0 fL	
MCH		26.9 L	27.0-33.0 pg	
MCHC	32.4		32.0-36.0 g/dL	
RDW		15.8 H	11.0-15.0 %	
PLATELET COUNT	281		140-400 Thousand/uL	
MPV	8.3		7.5-11.5 fL	
ABSOLUTE NEUTROPHILS	6262		1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	2946		850-3900 cells/uL	
ABSOLUTE MONOCYTES	762		200-950 cells/uL	
ABSOLUTE EOSINOPHILS	278		15-500 cells/uL	
ABSOLUTE BASOPHILS	52		0-200 cells/uL	
NEUTROPHILS	60.8		%	
LYMPHOCYTES	28.6		%	
MONOCYTES	7.4		%	
EOSINOPHILS	2.7		%	
BASOPHILS	0.5		%	
URINALYSIS, COMPLETE				TP
W/REFLEX TO CULTURE				
COLOR	YELLOW		YELLOW	
APPEARANCE	CLEAR		CLEAR	
SPECIFIC GRAVITY	1.007		1.001-1.035	
PH	5.5		5.0-8.0	
GLUCOSE	NEGATIVE		NEGATIVE	
BILIRUBIN	NEGATIVE		NEGATIVE	
KETONES	NEGATIVE		NEGATIVE	
OCCULT BLOOD	NEGATIVE		NEGATIVE	
PROTEIN	NEGATIVE		NEGATIVE	
NITRITE	NEGATIVE		NEGATIVE	
LEUKOCYTE ESTERASE	NEGATIVE		NEGATIVE	
WBC	NONE SEEN		< OR = 5 /HPF	
RBC	NONE SEEN		< OR = 2 /HPF	
SQUAMOUS EPITHELIAL CELLS	NONE SEEN		< OR = 5 /HPF	
BACTERIA	NONE SEEN		NONE SEEN /HPF	
HYALINE CAST	NONE SEEN		NONE SEEN /LPF	
REFLEXIVE URINE CULTURE	NO CULTURE INDICATED			TP
IRON AND TOTAL IRON				TP
BINDING CAPACITY				
IRON, TOTAL	82		50-180 mcg/dL	
IRON BINDING CAPACITY	349		250-425 mcg/dL	
% SATURATION	23		15-60 % (calc)	
FERRITIN	45		20-345 ng/mL	TP
VITAMIN B12/FOLATE, SERUM PANEL				TP
VITAMIN B12	299		200-1100 pg/mL	

Please Note: Although the reference range for vitamin B12 is 200-1100 pg/mL, it has been reported that between 5 and 10% of patients with values between 200 and 400 pg/mL may experience neuropsychiatric and hematologic abnormalities due to occult B12 deficiency; less than 1% of patients with values above 400 pg/mL will have symptoms.

FOLATE, SERUM	13.0	ng/mL
		Reference Range
		Low: <3.4

Test Name	In Range	Out Of Range	Reference Range	Lab
			Borderline: 3.4-5.4	
			Normal: >5.4	
DHEA SULFATE	170		106-464 mcg/dL	TP
FSH	4.7		1.6-8.0 mIU/mL	TP
LH	2.8		1.5-9.3 mIU/mL	TP
ESTRADIOL	27		< OR = 39 pg/mL	TP

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).

PSA, TOTAL	0.5		< OR = 4.0 ng/mL	TP
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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, FR (DIALYSIS) AND TOTAL (LC/MS/MS) TESTOSTERONE, TOTAL, LC/MS/MS	173 L		250-1100 ng/dL	AMD
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For more information on this test, go to  
<http://education.questdiagnostics.com/faq/TotalTestosteroneLCMSMS>

FREE TESTOSTERONE	44.5		35.0-155.0 pg/mL	
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# VITAMIN D,25-OH,TOTAL,IA

VITAMIN D,25-OH,TOTAL,IA

Lab: TP

Test Name	Results	Reference Range
VITAMIN D,25-OH,TOTAL,IA	8 L	30-100 ng/mL
Vitamin D Status      25-OH Vitamin D: Deficiency:              <20 ng/mL Insufficiency:          20 - 29 ng/mL Optimal:                 > or = 30 ng/mL		