

Test Name	In Range	Out of Range	Reference Range
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COMP METABOLIC PANEL

GLUCOSE	87		65-139 mg/dL
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The glucose reference range is based on a non-fasting state.

SODIUM	140		135-146 mmol/L
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POTASSIUM	4.6		3.5-5.3 mmol/L
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CHLORIDE	103		98-110 mmol/L
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CARBON DIOXIDE	27		21-33 mmol/L
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UREA NITROGEN	15		7-25 mg/dL
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CREATININE	1.1		0.5-1.4 mg/dL
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BUN/CREATININE RATIO	13.6		6.0-25.0
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CALCIUM	9.9		8.5-10.4 mg/dL
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PROTEIN, TOTAL	7.7		6.0-8.3 g/dL
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ALBUMIN		5.2	H 3.7-5.1 g/dL
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GLOBULIN, CALCULATED	2.5		2.2-4.2 g/dL
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A/G RATIO		2.1	H 0.8-2.0
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BILIRUBIN, TOTAL		1.80	H 0.20-1.50 mg/dL
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ALKALINE PHOSPHATASE	60		20-125 U/L
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AST	16		3-50 U/L
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ALT	15		3-60 U/L
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MICROALBUMIN, RAND U(W/CR)

MICROALBUMIN, RANDOM

MICROALBUMIN	0.8		Not Established mg/dL
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MICROALBUMIN, RANDOM URINE	4		<30 mcg/mg Creat
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See footnote 1

CREATININE, RANDOM URINE

CREATININE, RANDOM URINE	183		20-370 mg/dL
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Test Name	In Range	Out of Range	Reference Range
LIPID PANEL			
CHOLESTEROL, TOTAL	172		<200 mg/dL
HDL CHOLESTEROL	58		>/=40 mg/dL
CHOLESTEROL/HDL RATIO	3.0		< 5.0
LDL CHOL, CALCULATED	97		<130 mg/dL
TRIGLYCERIDES	85		<150 mg/dL
ACTH, Plasma	21		7-50 pg/mL
INHIBIN B	<30		Less than 305 pg/mL
GFR ESTIMATE (MDRD)			
GFR ESTIMATION	>60		>=60 mL/min/1.73m2
If patient is African-American, multiply reported result by 1.21			
FSH		8.8 H	1.6-8.0 nIU/mL
LH	4.8		1.5-9.3 nIU/mL
ESTRADIOL	<32		<=2 pg/mL
ESTRADIOL, ULTRA-SENSITIVE	15		10-50 pg/mL

Reference Ranges for Estradiol:
By Chronological Age (pg/nL):

Age	Males	Females
1 - 5 Years	3-10	5-10
6 - 9 Years	3-10	5-60
10 - 11 Years	5-10	5-300
12 - 14 Years	5-30	25-410
15 - 17 Years	5-45	40-410
Adults	10-50	

Test Name In Range Out of Range Reference Range

ESTRONE, SERUM 91 pg/nL

Reference Ranges for Estrone:

Adult Female:

Early Follicular Phase: 15-150 pg/nL

Late Follicular Phase: 100-250 pg/nL

Luteal Phase: 15-200 pg/nL

Postmenopausal: 15- 55 pg/nL

Adult Male: 15- 65 pg/nL

Pediatric Ranges:

Cord Blood: 9000-34000 pg/nL

1-4 days: 15- 300 pg/nL

Prepubertal Children: 5- 15 pg/nL

Pubertal

Tanner Stage

II Males: 10- 22 pg/nL

Females: 10- 33 pg/nL

III Males: 17- 25 pg/nL

Females: 15- 43 pg/nL

IV Males: 21- 35 pg/nL

Females: 16- 77 pg/nL

V Males: 18- 45 pg/nL

Females: 29- 77 pg/nL

Pediatric data from Bidlingmaier F, et al. 1973.

Pediatric Research 7:901-907.

DIHYDROTESTOSTERONE

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25-75 ng/dL

The referral laboratory has notified us that there will be a delay in performing this assay. If you have any questions please contact Technical Client Services at 866-442-3008.

Test Name	In Range	Out of Range	Reference Range
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CORTISOL, FREE, SERUM	1.09		ug/dL
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Adult Reference Ranges for Cortisol, Free, Serum:

	Baseline	60 Minutes Post ACTH Stimulation
8-10 AM	0.40-1.92 ug/dL	1.88-4.73 ug/dL
4-6 PM	0.20-0.90 ug/dL	

ANDROSTENEDIONE, LC/MS/MS	119		40-190 ng/dL
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Notice: Due to interferences of blood drawn in Serum Separator Tubes (SSTs) when using LCMSMS methodology, it is required that only serum collected from a plain Red Top Tube with no additives be submitted. Please update specimen requirements as needed. This is a general notice attached to all reports and it does not imply the result from this report is obtained from an SST tube.

TESTOSTERON, FR/TOT, LCMSMS			
TESTOSTERONE, TOTAL	820		250-1100 ng/dL

Please Note: Due to interferences of blood drawn in serum separator tubes (SSTs) when using LCMSMS methodology, it is required that only serum collected from a plain Red Top Tube with no additives be submitted. Please update specimen requirements as needed. This is a general notice attached to all reports and it does not imply the result from this report is obtained from a SST tube.

TESTOSTERONE, %, FREE	1.94		1.00-3.10 %
TESTOSTERONE, FREE		159.1 H	35.0-155.0 pg/mL

FOOTNOTE(S):

- 1 The ADA (Diabetes Care 26: S94-S98, 2003) defines abnormalities in albumin excretion as follows:

Category:	Result (mcg/mg creatinine):
Normal	<30
Microalbuminuria	30-299
Clinical albuminuria	> or = 300

The ADA recommends that at least two of three specimens collected within a 3-6 month period be abnormal before