



CONSOLIDATED LABORATORY SERVICES
ADULT NORMAL RANGES

CHEMISTRY, BLOOD

Parameter	Male	Female*	
A:G ratio (gm/dl)	1.0 - 2.2	&	
Albumin (gm/dl)	3.4 - 5.1	&	
Alk Phos (u/L)	38 - 126	&	
ALT (SGPT) (U/L)	17 - 63	&	
Amylase (IU/L)	36 - 128	&	
Anion Gap	9 - 22	&	
Anti Nuclear Antibody	Neg	&	
AST (SGOT) (U/L)	15 - 41	&	
Bilirubin, Direct (mg/dl)	0.0 - 0.4	&	
Bilirubin, Indirect (mg/dl)	0.0 - 1.1	&	
Bilirubin, Total (mg/dl)	0.3 - 1.8	&	
BUN (mg/dl)	7 - 23	&	
C Reactive Protein, Std (mg/dl)	0.0 - 1.0	&	
Calcium (mg/dl)	8.5 - 10.5	&	
Chloride (mmol/L)	98 - 110	&	
Cholesterol (mg/dl)	<200	&	
CEA (ng/ml)	0-5	&	
CO ₂ (mmol/L)	22 - 32	&	
CKMB (ng/ml)	0.0 - 6.3	&	
CK, Total (U/L)	49 - 397	&	
Creatinine, Serum (mg/dl)	0.7 - 1.5	&	
Estradiol (pg/ml)	20 - 75	Mid-Fol phase: Mid-Cycle: Mid-Luteal phase: Postmenopausal:	24 - 114 62 - 534 80 - 273 20 - 88
Ferritin (ng/ml)	24 - 336	11 - 307	
FSH (mIU/ml)	1.3 - 19.3	Mid-Fol phase: Mid-Cycle: Mid-Luteal phase: Postmenopausal:	3.9 - 8.8 4.5 - 22.5 1.8 - 5.1 16.7 - 113.6
GGT (IU/L)	7 - 50	&	
Glucose (mg/dl)	70 - 99	65 - 99	
HCG, Qualitative	Negative	&	
HDL (mg/dl)	> 40	&	
Hgb A _{1c} (%)	4.0 - 7.0	&	
Insulin, Serum (mU/L)	1.9 - 2.3	&	
Iron, Saturation %	28 - 58	&	
Iron, Total (ug/dl)	45 - 182	&	
Iron, TIBC (ug/dl)	250 - 420	&	
LDH (U/L)	100 - 190	&	
LDL (calc)	< 130	&	
LH (mIU/ml)	1.2 - 8.6	Mid-Fol phase: Mid-Cycle: Mid-Luteal phase: Postmenopausal:	2.1 - 10.9 19.2 - 103.0 1.2 - 12.9 10.9 - 58.6
Lipase (IU/L)	7 - 60	&	
Magnesium (mg/dl)	1.6 - 2.5	&	
Phosphorus (mg/dl)	2.5 - 4.5	&	

***Female normal range same as male normal range if box displays the female icon &**



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Potassium (mmol/L)	3.5 - 5.4	&
Protein, Total (gm/dl)	6.0 - 8.5	&
PSA-Abbott Brand (ng/ml)	0.0 - 4.0	N/A
RBC Folate (ng/ml)	280 - 791	&



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CHEMISTRY, BLOOD - Continued

Parameter	Male	Female*
Rheumatoid Factor (IU/mL)	0 - 20	&
Sodium (mmol/L)	135 - 145	&
Testosterone (ng/dl)	168 - 746	10 - 90
Transferrin (mg/dl)	135 - 309	&
Triglyceride (mg/dl)	< 150	&
Troponin I (ng/ml)	< 0.10 = Negative 0.10 - 0.49 = Indeterminate 0.50 > = Positive	&
T3, Free (pg/ml)	2.4 - 6.8	&
T3, Total (ng/dl)	87 - 178	&
T3, Uptake (%)	32.0 - 48.4	&
T4, Free (ng/dl)	0.6 - 1.6	&
T4 Total (ug/dl)	6.1 - 12.2	&
TSH, Ultrasensitive (uIU/ml)	0.34 - 5.60	&
Uric Acid (mg/dl)	3.5 - 8.5	&
Vitamin B12 (pg/ml)	180 - 914	&

COAGULATION - HEMATOLOGY

Basophil, Absolute (k/mcl)	0 - 0.1	&
Basophils, % - auto	0 - 2	&
Eosinophil, Absolute (k/mcl)	0 - 0.45	&
Eosinophils, % - auto	0 - 7	&
Fibrinogen (mg/dl)	180 - 450	&
Hematocrit (%)	41.0 - 53.0	36.0-46.0
Hemoglobin (gm/dl)	13.5 - 17.5	12.0-16.0
INR	Low Intensity Range: 2.0 - 3.0 Moderate Intensity Range: 2.5 - 3.5	&
Lymphocyte, Absolute (k/mcl)	1.5 - 5	&
Lymphocytes, % - auto	25 - 45	&
MCH (pg)	25.0 - 35.0	&
MCHC (gm/dl)	30.0 - 37.0	&
MCV (fl)	80.0 - 100.0	&
Monocyte, Absolute (k/mcl)	0 - 0.8	&
Monocytes, % - auto	0 - 10	&
MPV	8.8 - 12	8 - 12
Neutrophils, % - auto	36 - 70	&
Neutrophils, Absolute (k/ul)	1.80 - 8.00	&
Platelet Count (k/mm3)	150 - 450	&
Protime (sec)	9.0 - 12.0	&
PTT (sec)	22.0 - 34.0	&
RBC (m/mm3)	4.30 - 5.90	3.50-5.50
RDW	11.5 - 14.5	&
Retic Automated %	0.7 - 2.8	&
Sed Rate	0 - 50 years: 0 - 15 mm/hr > 50 years: 0 - 20 mm/hr	0 - 50 years: 0 - 20 mm/hr > 50 years: 0 - 30 mm/hr
WBC (k/mm3)	4.5 - 11.0	&



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URINE - URINALYSIS

Parameter	Male	Female*
Bacteria	Neg	&
Bilirubin	Neg	&
Creatinine, 24 hr urine (mg/24 hr)	1000 - 2500	&
Creatinine, Urine (Random) (mg/dl)	No calculated normal ranges are available	&
Glucose	Neg	&
Hgb	Neg	&
Ketones	Neg	&
Leukocyte Esterase	Neg	&
pH	5.0 - 7.5	&
Protein	Neg	&
Protein, 24 hr urine (mg/24 hr)	0 - 150	&
Protein, Urine Quant (Random) (mg/dl)	No calculated normal ranges are available	&
RBC	0 - 5/HPF	&
Spec gravity	1.005 - 1.035	&
Squamous epith	0 - 5/HPF	&
Urobilinogen	0.1 - 1.0 Ev/dl	&
WBC	0 - 5/HPF	&