



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 (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
Free T3 (pg/ml)	2.4 - 6.8		
Free Thyroxine (ng/dl)	0.6 - 1.6		
GGT (IU/L)	7 - 50		
Glucose (mg/dl)	70 - 99		65 - 99
HCG, Qualitative	Negative		
HDL (mg/dl)	> 40		
Hgb A _{1c} (%)	4.4-6.4		
Insulin, Serum (mU/L)	3 - 28		
Iron (ug/dl)	45 - 182		
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		
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 - 19	
Saturation, Iron %	28 - 58	
Sodium (mmol/L)	135 - 145	
Testosterone (ng/dl)	168 - 746	10 - 90
TIBC (ug/dl)	250 - 420	
2Transferrin (mg/dl)	135 - 309	
Triglyceride (mg/dl)	< 150	
Troponin I (ng/ml)	< 0.10 = Negative 0.10 – 0.49 = Indeterminate 0.50 > = Positive	
T3 Total (ng/dl)	87 - 178	
T3 Uptake (%)	32.0 – 48.4	
T4 Total (ug/dl)	6.1 – 12.2	
TSH, Ultrasensitive (uIU/ml)	0.340 – 5.600	
Uric Acid (mg/dl)	3.5 - 8.5	
Vitamin B12 (pg/ml)	180 - 914	

COAGULATION - HEMATOLOGY

Fibrinogen (mg/dl)	180 - 450	
Protime (sec)	9.0 – 12.0	
INR	Low Intensity Range: 2.0 - 3.0 Moderate Intensity Range: 2.5 - 3.5	
PTT (sec)	22.0 - 34.0	
Hemoglobin (gm/dl)	13.5 - 17.5	12.0-16.0
Hematocrit (%)	41.0 - 53.0	36.0-46.0
MCV (fl)	80.0 - 100.0	
MCH (pg)	25.0 - 35.0	
MCHC (gm/dl)	30.0 - 37.0	
MPV	8.8 – 12	8 - 12
Platelet Count (k/mm ³)	150 - 450	
RBC (m/mm ³)	4.30 - 5.90	3.50-5.50
RDW	11.5 – 14.5	
Retic Automated %	0.7 - 2.8	
Neutrophils, Absolute (k/ul)	1.80 – 8.00	
% Neutrophils – auto	36 - 70	
Lymphocyte, Absolute (k/mcl)	1.5 - 5	
% Lymphocytes - auto	25 - 45	
Monocyte, Absolute (k/mcl)	0 – 0.8	
% Monocytes - auto	0 - 10	
Eosinophil, Absolute (k/mcl)	0 – 0.45	
% Eosinophils - auto	0 - 7	
Basophil, Absolute (k/mcl)	0 – 0.1	
% Basophils - auto	0 - 2	
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/mm ³)	4.5 - 11.0	



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URINE - URINALYSIS

Parameter	Male	Female*
Creatinine, 24 hr urine (mg/24 hr)	1000 - 2500	
Creatinine, Urine (Random) (mg/dl)	No calculated normal ranges are available	
Protein, 24 hr urine (mg/24 hr)	0 - 150	
Protein, Urine Quant (Random) (mg/dl)	No calculated normal ranges are available	
Bacteria	Neg	
Bilirubin	Neg	
Glucose	Neg	
Hgb	Neg	
Ketones	Neg	
Leukocyte Esterase	Neg	
pH	5.0 - 7.5	
Protein	Neg	
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	