



2026 Adult Normal Ranges

Alk Phos	Male: 30 - 120	Female: 20 - 130	U/L
ALT	Male: 5 - 55	Female: 5 - 45	U/L
Amylase	Male: 30 - 118	Female: 30 - 118	U/L
AST	Male: 5 - 45	Female: 5 - 45	U/L
BNP	Male: 0 - 100	Female: 0 - 100	pg/mL
BUN	Male: 6 - 25	Female: 5 - 23	mg/dL
CA 125	Male: 0.0-19.0	Female: 0 - 34	U/mL
Calcium	Male: 8.5 - 10.7	Female: 8.5 - 10.7	mg/dL
CEA	Male: 0.0 - 3.0	Female: 0.0 - 3.0	ng/mL
Chloride	Male: 95 - 110	Female: 95 - 110	mmol/L
CK	Male: 25 - 195	Female: 25 - 170	U/L
CK Index	Male: 0 - .3	Female: 0 - .3	%
CK-MB	Male: 0.6- 6.3	Female: 0.6- 6.3	ng/mL
CO2	Male: 20 - 31	Female: 20 - 31	mmol/L
Cortisol AM	Male: 5.3-22.5	Female: 5.3-22.5	ug/dL
Cortisol PM	Male: 3.4-16.8	Female: 3.4-16.8	ug/dL
Creatinine	Male: 0.5 - 1.2	Female: 0.4 - 1.1	mg/dL
CRP, high sensitivity, cardiac	Low Risk	<1.0	mg/L
	Average Risk	1.0-3.0	mg/L
	High Risk	>3.0	mg/L
Cystatin-C	Male: 0.64-1.23	Female: 0.64-1.23	mg/L
Ferritin	Male: 11-307	Female: 7-271	ng/mL
Folate	Male: 8.6-58.9	Female: 8.6-58.9	ng/mL
Free Hgb	Male: 0	Female: 0	mg/dL
GGT	Male: 7 - 60	Female: 7 - 40	U/L
Glucose	Male: 70 - 99	Female: 70 - 99	mg/dL
Haptoglobin	Male: 40 - 280	Female: 40 - 280	mg/dL
HbA1c	Male: ≤ 5.6	Female: ≤ 5.6	%
HCG B Qualitative (serum or urine)	Male: Nonreactive	Female: Nonreactive	
HCV Ab Screen	Male: Nonreactive	Female: Nonreactive	
Hep B Surf Ab	Male: Nonreactive	Female: Nonreactive	
Hep B Surf Ag	Male: Nonreactive	Female: Nonreactive	
HIV 1 & 2 Ab Screen	Male: Nonreactive	Female: Nonreactive	
IgA	Male: 40 - 350	Female: 40 - 350	mg/dL
IgG	Male: 650 - 1600	Female: 650 - 1600	mg/dL
IgM	Male: 50 - 300	Female: 50 - 300	mg/dL
Lactate	Male: 0.5 - 2.0	Female: 0.5 - 2.0	mmol/L
LD	Male: 120-246	Female: 120-246	U/L
Lipase	Male: 0 - 66	Female: 0 - 66	U/L
Magnesium	Male: 1.6 - 2.6	Female: 1.6 - 2.6	mg/dL
Phosphorus	Male: 2.2 - 4.7	Female: 2.2 - 4.7	mg/dL
Potassium	Male: 3.4 - 5.0	Female: 3.4 - 5.0	mmol/L
Prealbumin	Male: 10 - 40	Female: 10 - 40	mg/dL
Pro-BNP	Male: 0.0-<125	Female: 0.0-<125	pg/mL
Protein, Total	Male: 5.7 - 8.2	Female: 5.7 - 8.2	g/dL
PSA	Male: 0.0 - 4.0	Female: 0.0 - 4.0	ng/mL
RCRP	Male: 0.0-0.5	Female: 0.0-0.5	mg/dL
Sodium	Male: 135 - 145	Female: 135 - 145	mmol/L
T4, Free	Male: 0.89 - 1.76	Female: 0.89 - 1.76	ng/dL
Troponin (high sensitivity)	Male: <0.04-0.53	Female: <34	ng/L

TSH		Male: 0.55 - 4.78	Female: 0.55 - 4.78	uIU/mL
Uric Acid		Male: 3.7 - 9.2	Female: 3.1 - 7.8	mg/dL
Therapeutic Drug Monitoring				
Digoxin		Male: 0.8-2.0	Female: 0.8-2.0	ng/mL
Gentamicin	peak	Male: 4.0-10.0	Female: 4.0-10.0	ug/mL
	trough	Male: 0.0-2.0	Female: 0.0-2.0	ug/mL
Keppra (Levetiracetam)		therapeutic ranges established. Refer to individual clinical protocols		
Lithium		Male: 0.60-1.20	Female: 0.60-1.20	mEq/Liter
Phenobarbital		Male: 15.0-40.0	Female: 15.0-40.0	ug/mL
Phenytoin		Male: 10.0-20.0	Female: 10.0-20.0	ug/mL
Tacrolimus		Male: 5.0-20.0	Female: 5.0-20.0	ng/mL
Theophylline		Male: 10.0-20.0	Female: 10.0-20.0	ug/mL
Tobramycin	peak	Male: 4.0-10.0	Female: 4.0-10.0	ug/mL
	trough	Male: 0.0-2.0	Female: 0.0-2.0	ug/mL
Valproic Acid		Male: 50-100	Female: 50-100	ug/mL
Vancomycin	peak	Male: 25.0-40.0	Female: 25.0-40.0	ug/mL
	trough	Male: 10.0-20.0	Female: 10.0-20.0	ug/mL
Coagulation				
PT (Werfen ACL TOP Family)		Male: 10.1-13.4	Female: 10.1-13.4	Sec
INR		Male: 0.9 - 1.1	Female: 0.9 - 1.1	
Interpretive Info:				
Patients not on Coumadin		0.9 - 1.1		
Patients routinely anticoagulated		2.0 - 3.0		
Patients with mechanical prosthetic valve		2.5 - 3.5		
Patients anticoagulated for acute myocardial infarction		2.0 - 3.0		
aPTT		Male: 25.2-37.2	Female: 25.2-37.2	Sec
D-Dimer		Male: 0.00 - 0.50	Female: 0.00 - 0.50	mcg/mL FEU
Fibrinogen		Male: 200 - 450	Female: 200 - 450	mg/dL
Iron Panel				
Iron, Total		Male: 35 - 160	Female: 35 - 160	ug/dL
TIBC		Male: 220 - 440	Female: 220 - 440	ug/dL
% Saturation		Male: 20 - 50	Female: 15 - 50	%
Transferrin		Male: 180 - 329	Female: 192 - 382	mg/dL
A/G				
Albumin		Male: 3.5 - 5.2	Female: 3.5 - 5.2	g/dL
Globulin		Male: 2.0 - 3.6	Female: 2.0 - 3.6	g/dL
A/G Ratio		Male: 1.0 - 2.4	Female: 1.0 - 2.4	mEq/Liter
Protein, Total		Male: 5.7 - 8.2	Female: 5.7 - 8.2	g/dL
BILIRUBIN PANEL				
Bilirubin, Total		Male: 0.2 - 1.5	Female: 0.1 - 1.3	mg/dL
Bilirubin, Direct		Male: 0.0 - 1.1	Female: 0.0 - 1.1	mg/dL
Bilirubin, Indirect		Male: 0.2-0.4	Female: 0.1-0.2	mg/dL

COMPLETE BLOOD COUNT			
WBC	Male: 4.5 - 11.0	Female: 4.5 - 11.0	K/mm3
RBC	Male: 4.50 - 5.90	Female: 4.00 - 5.20	Millions/mm3
Hemoglobin	Male: 13.5 - 17.5	Female: 12.0 - 16.0	g/dL
Hematocrit	Male: 41.0 - 53.0	Female: 36.0 - 48.0	%
MCV	Male: 80 - 100	Female: 80 - 100	fL
MCH	Male: 26.0 - 34.0	Female: 26.0 - 34.0	pg
MCHC	Male: 31.0 - 37.0	Female: 31.0 - 37.0	g/dL
RDW	Male: 10.0 - 15.0	Female: 10.0 - 15.0	%
Platelet	Male: 150 - 450	Female: 150 - 450	K/mm3
MPV	Male: 5.0 - 15.0	Female: 5.0 - 15.0	fL
Neutrophil	Male: 40 - 75	Female: 40 - 75	%
Lymphocyte	Male: 25 - 45	Female: 25 - 45	%
Monocyte	Male: 0-10	Female: 0-10	%
Eosinophil	Male: 0-6	Female: 0-6	%
Basophil	Male: 0-3	Female: 0-3	%
URINALYSIS Macroscopic			
Color	Male: Colorless, Lt Yellow, Yellow, Dk Yellow	Female: colorless, Lt Yellow, Yellow, Dk Yellow	
Appear	Male: Clear	Female: Clear	
pH	Male: 5.0 - 8.0	Female: 5.0 - 8.0	
Spec Grav	Male: 1.005 - 1.030	Female: 1.005 - 1.030	
Protein	Male: Negative, 10, 20	Female: Negative, 10, 20	
Glucose	Male: Negative, 30, 50	Female: Negative, 30, 50	
Ketones	Male: Negative	Female: Negative	
Bilirubin	Male: Negative	Female: Negative	
Blood	Male: Negative-0.03 mg/dL	Female: Negative-0.03 mg/dL	
Leuk Est	Male: Negative-25 LEU/uL	Female: Negative-25 LEU/uL	
Nitrite	Male: Negative	Female: Negative	
Urobilinogen	Male: Normal	Female: Normal	
URINALYSIS Microscopic (resulted if seen)			
Bacteria	Male: 0	Female: 0	HPF
Ca OxCrystals	Male: 0	Female: 0	HPF
Coarse Gran	Male: 0	Female: 0	LPF
Fine Gran	Male: 0	Female: 0	LPF
Hyal Cast	Male: 0 - 3	Female: 0 - 3	LPF
Mucous	Male: none, few	Female: none, few	HPF
RBC	Male: 0 - 3	Female: 0 - 3	HPF
RBC Casts	Male: 0	Female: 0	LPF
Renal Epi	Male: 0	Female: 0	HPF
Sperm	Male: 0	Female: 0	HPF
Squam Epithelial	Male: 0 - 6	Female: 0 - 6	HPF
Trichomonas	Male: 0	Female: 0	HPF
Trip Pho Crys	Male: 0	Female: 0	HPF

Uric Ac Crys	Male: 0	Female: 0	HPF
Waxy Cast	Male: 0	Female: 0	LPF
WBC	Male: 0 - 5	Female: 0 - 5	HPF
WBC Cast	Male: 0	Female: 0	LPF
WBC Clumps	Male: 0	Female: 0	LPF
Yeast	Male: 0	Female: 0	HPF
Epi Cast	Male: 0	Female: 0	LPF
Fatty Cast	Male: 0	Female: 0	LPF
Trans Epi	Male: 0	Female: 0	HPF
Amorph	Male: 0	Female: 0	HPF
LIPID PANEL			
Cholesterol	Male: 0 - 200	Female: 0 - 200	mg/dL
Interpretive Info:			
<200 mg/dL = Desirable (Low)			
200 - 239 mg/dL = Borderline (Moderate)			
>= 240 mg/dL = Undesirable (High)			
Triglyceride	Male: 0 - 150	Female: 0 - 150	mg/dL
Interpretive Info:			
<150 mg/dL = Normal			
150 - 199 mg/dL = Borderline High			
200 - 499 mg/dl = High			
>= 500 mg/dL = Very High			
HDL	Male: 40 - 59	Female: 40 - 59	mg/dL
Interpretive Info:			
< 40 mg/dL = Low			
>=60 mg/dL = High			
LDL, measured	Male: 0 - 99	Female: 0 - 99	mg/dL
Interpretive Info:			
< 100 mg/dL = Optimal			
100 - 129 mg/dL = Near Optimal/Above Normal			
130 - 159 mg/dL = Borderline High			
160 - 189 mg/dL = High			
> = 190 mg/dL = Very High			
Clostridium difficile toxin	negative	negative	
updated 1/27/2026 by Lori Lovstad MLS(ASCP)			