

Normal Lab Values

Hematology

White blood cells (WBC) 3.6-11.6
 Red blood cells (RBC) 3.54-5.14
 Hemoglobin (HGB) 12.0-15.5
 Hematocrit (HCT) 33.0-46.5
 Mean corpuscular volume (MCV) 77.0-100.0
 Mean corpuscular hemoglobin (MCH) 22.0-35.0
 Mean corpuscular hemoglobin concentration (MCHC) 32-36
 Red cell distribution width (RDW) 12.0-15.9
 Platelet count (PLT) 121-365
 Mean platelet volume (MPV) 6.7-10.3
 Neutrophils (neut) % 40.0-98.0
 Lymphocytes (lymph) % 10.5-42.0
 Monocytes (mono) % 3.0-15.0
 Eosinophils (eos) % 2.0-5.0
 Basophils (baso) % 0.0-1.6
 Absolute neuts 1.4-11.4
 Absolute lymphs 0.4-4.8
 Absolute Monos 0.1-1.7
 Absolute Eos 0.0-0.4
 Absolute Basos 0.0-0.2
 Nucleated RBC % 0.0-0.4
 Nucleated RBC # 0.00-0.02

Chemistry

Sodium (Na) 136-145
 Potassium (K) 3.5-5.1
 Chloride (Cl) 100-110
 Carbon Dioxide (CO2) 21.0-32.0
 Anion Gap 5-15
 Blood Urea Nitrogen (BUN) 7.0-23.0
 Creatinine (Creat) 0.50-1.20
 Estimated Glomerular Filtration Rate (GFR) above 60
 Glucose 70-100
 Vitamin B12 193-986
 Folate 3.1-17.5
 Thyroid Stimulating Hormone (TSH) 0.34-4.82
 Calcium (Ca) 8.5-10.1
 Ionized calcium 4.50-5.45
 Phosphorus (P) 2.5-4.9
 Magnesium (Mg) 1.7-2.4
 Iron (Fe) 40-170
 Total Iron Binding Capacity (TIBC) 250-450
 Iron saturation % 15-50
 Ferritin 8-252
 Total bilirubin 0.0-1.0
 Direct bilirubin 0.0-0.3
 Indirect bilirubin 0.0-1.2
 Aspartate aminotransferase (AST) below 37
 Alanine aminotransferase (ALT) below 78
 Alkaline Phosphatase (ALP) 45-117
 Total protein 6.4-8.5

Chemistry (continued)

Albumin (ALB) 3.4-5.0
 Globulin 2.3-3.5
 Albumin/globulin ratio 0.9-1.5
 Troponin Less than 0.01
 Lactic acid 0.4-1.9
 Triglycerides 30-150
 Cholesterol <200
 Low density lipoprotein (LDL) "bad cholesterol" 0-130
 High density lipoprotein (HDL) "good cholesterol" 40-59
 Free Thyroxine (Free T4) 0.77 - 1.61
 Lipase 73-393
 Hemoglobin A1C (HBA1C) 4.5-6.2

Coagulation

Prothrombin time (PT) 9.1-13.3
 International normalized ratio (INR) 0.82-1.17
 Activated partial thromboplastin time (APTT) 22.0-36.0
 D-dimer Less than 0.5
 Fibrinogen 177-450

Blood Gas

Potential of hydrogen (PH) 7.35-7.45
 Partial pressure of carbon dioxide (PCO2) 35.0-45.0
 Partial pressure of oxygen (PO2) 80.0-105.0
 Oxygen saturation (O2 sat) 95-100
 Bicarbonate (HCO3) 23.0-28.0
 Base Excess -3 to 3

Urine

Color - yellow
 Appearance - clear
 PH 5-8
 Specific gravity 1.007-1.030
 Protein - negative
 Ketones - negative
 Blood - negative
 Nitrite - negative
 Bilirubin - negative
 Urobilinogen <1.0 mg/dL
 Leukocyte esterase - negative
 RBC 0-2
 WBC 0-2
 Squamous Epithelial Cells 0-2
 Bacteria - none-rare
 Hyaline Casts 0-2
 Mucus - few
 Yeast - none seen
 Yeast with hyphae - none seen
 Glucose <50 mg/dL

Other

Theophylline (TPH) 10.0-20.0