



Lab	Value	Interpretation
sodium	135 - 145	neuro problems
chloride	98 - 106	goes with sodium
potassium	3.5 - 5	dysrhythmias, muscle problems
magnesium	1.6 - 2.6	dysrhythmias, muscle problems
calcium	8.5 - 10.5	dysrhythmias, muscle problems
phosphorus	2.5 - 4.5	↓ poor nutrtnon
WBC	5-10K	↓ risk of infection, ↑ has infection
RBC	male: 4.7 - 6.6 female: 4.2 - 5.4	↓ bleeding/anemia
Hgb	male: 14-18 female: 12-16	
Hct	male: 42-52% female: 37-47%	
platelets	150-400K	
BUN	10 - 20	↑ kidney problems
creatinine	0.6 - 1.2	
GFR	> 90 mL/min	↓ kidney problems
bilirubin newborn	> 14 hospitalized > 20 toxic	↑ liver problems
ALT, AST, ALP	ALT: 4 - 36 AST: 0 - 25 ALP: 20 - 140	↑ liver problems
total cholesterol	< 200	↑ risk of CAD/CVA

Lab	Value	Interpretation
HDL	male: >40 female: >50	the "happy" cholesterol; ↑ is better
LDL	< 100	↑ risk of CAD
protein	6 - 8.3	↓ malnutrition, liver disease, kidney disease
albumin	3.5 - 5	
ammonia	15 - 56	↑ liver disease
INR therapeutic	2-3	↑ bleeding
PT normal/control	11 - 12.5 seconds	↑ bleeding (lab may have a different control)
PT therapeutic	1.5 - 2 X control	
aPTT normal	25 - 35 seconds	
aPTT therapeutic	1.5 - 2.5 X control	
amylase/lipase	0 - 160	↑ pancreatitis
HbA1c	<7%	↑ poor diabetes control
blood sugar	70 - 110 (USA) 3.9 - 6.1 (Canada)	↑ poor diabetes control or on steroids
BNP	0 - 100	↑ CHF
troponin	0 - 0.04	↑ MI
CK/CPK	22 - 198	↑ MI
uric acid	2.4 - 7	↑ gout/tumor lysis syndrome
Vital Signs	RR 12-20, O2 95-100%, HR 60-100, BP 90/60 - 120/80, Temp 96.8°-100.4° F, 36°-38°C	