

# CRITICAL LAB VALUES

	Lab Values	Critical Values
<b>BMP</b>		
Calcium	8.6 - 10 mg/dl	$\leq 6, \geq 13$ mg/dl
Cl-	99 - 109	$< 80, > 115$ mEq/L
Gluc.	74 - 106 mg/dl	$< 40, > 450$ mg/dl
K+	3.5 - 5.5	$< 2.8, \geq 6.2$
Na <sup>++</sup>	132 - 146 mEq/L	$\leq 120, \geq 160$ mEq/L
BUN	9 - 23	$\geq 80$ mg/dl
Creat.	Female: 0.5 - 1.1 mg/dl Male: 0.7 - 1.3 mg/dl	$> 4$ mg/dl
Total protein	6.4 - 8.3 g/L	
Albumin	3.2 - 4.8 g/L	
<b>CBC</b>		
Hgb	12.0 - 16.0	$\leq 6.0, \geq 20$ g/dl
Hct	Female: 37 - 47, Male: 40 - 54	$\leq 18\%, \geq 60\%$
WBC	5.2 - 12.4	$\leq 2.0, \geq 30,000$
RBC	Female: 4.2 - 5.4, Male: 4.6 - 6.19	
Platelets	130,000 - 400,000	$\leq 40,000, \geq 999,000$
Ultra-Toponin	0.006 - 0.039	$0.040 - 0.779$ (high) $> 0.78$ (critical)
<b>Serum Drug Levels</b>		
Carbamazepine	4 - 10 mcg/ml	$> 15$ mcg/ml
Digoxin	0.8 - 2.0 mg/dl	$> 2.0$ mg/dl
Gentamycin	peak - 5 - 10 mcg/ml valley - < 2.0 mcg/ml	$> 10$ mcg/ml
Phenobarbital	15 - 40 mcg/ml	$> 40$ mcg/ml
Phenyton	10 - 20 mcg/ml	$> 20$ mcg/ml
Theophylline	10 - 20 mcg/ml peak - 5 - 10 mcg/ml valley - 0.5 - 2.0 mcg/ml	$> 20$ mcg/ml $> 10$ mcg/ml
Torbramycin		
Valproic Acid	50 - 100 mcg/ml	$> 125$ mcg/ml
Vancomycin	peak - 25 - 40 mcg/ml valley - 5 - 15 mcg/ml	$> 30$ mcg/ml
<b>Anticoagulant Related and Clotting</b>		
PT	9.0 - 11.7 sec.	$> 80$ sec.
INR (coumadin)	0.9 - 1.2	$> 6$
PTT (Heparin Monitoring)	55.0 - 75.0 sec.	$> 70$ sec.
APTT (therapeutic)	23.3 - 31.9 sec.	SJH $\leq 19, \geq 100$ sec SJE No low, $\geq 100$ sec
Fibrinogen	203 - 377 mg/dl	$\leq 100.0, \geq 600.0$ mg/dl
<b>ABG's -norms:</b>		
pH	7.35 - 7.45	
pCO <sub>2</sub>	35 - 45	
pO <sub>2</sub>	80 - 100	
HCO <sub>3</sub>	22 - 25	
BE	-2 / +2	
O <sub>2</sub> sat	> 95	