

## CRITICAL VALUES

Hematology		
Test Name	Critical Low Value	Critical High Value
Hematocrit	< 18.0%	> 61.0%
Hemoglobin	< 6.8 g/dL	> 19.9 g/dL
Platelet - Child/Newborn	< 53 x 10 <sup>3</sup> cells/uL	> 916 x 10 <sup>3</sup> cells/uL
Platelet - Adult	< 37 x 10 <sup>3</sup> cells/uL	> 910 x 10 <sup>3</sup> cells/uL
White Blood Count	< 2.0 x 10 <sup>3</sup> cells/uL	> 37.0 x 10 <sup>3</sup> cells/uL

Coagulation	
Test Name	Critical Value
INR	> 5.0
aPTT	> 68 seconds

Chemistry		
Test Name	Critical Value	
Total Bilirubin	> 15 mg/dL	
Test Name	Critical Low Value	Critical High Value
Calcium	< 6.6 mg/dL	> 13.0 mg/dL
Glucose - Adults (FASTING ONLY)	< 46 mg/dL	> 484 mg/dL
Glucose - Newborn (FASTING ONLY)	< 30 mg/dL	> 300 mg/dL
Phosphorus	< 1.2 mg/dL	> 8.9 mg/dL
Sodium	< 120 meq/L	> 158 meq/L
Potassium - Adults	< 2.8 meq/L	> 6.2 meq/L

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Chemistry (continued)		
Test Name	Critical Low Value	Critical High Value
Potassium - Newborn	< 2.5 meq/L	>8.0 meq/L
Chloride	< 75 mmol/L	> 126 mmol/L
CO2	< 11 mmol/L	> 40 mmol/L
Magnesium	< 1.0 mg/dL	> 4.9 mg/dL
Test Name	Critical Value	
BUN	> 104 mg/dL	
Uric Acid	> 13 mg/dL	
Creatinine (serum)	> 7.4 mg/dL	
Triglyceride	> 1000 mg/dL	

Therapeutic Drugs		
Antibiotics:		
Test Name	Critical Low Value	Critical High Value
Gentamicin	Tough > 2.0 ug/mL	Peak > 12.0 ug/mL
Test Name	Critical Value	
Tobramycin	Trough > 2.0 ug/mL	
Vancomycin	Trough > 30 ug/L	
Analgesics:		
Test Name	Critical Value	
Salicylate	>= 40 mg/dL (lethal > 60 mg/dL)	
Acetaminophen	>= 200 ug/mL (drawn 4 hours after ingestion)	

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Therapeutic Drugs (continued)	
Anti-Epileptics:	
Test Name	Critical Value
Carbamazepine (Tegretol)	> 20 ug/mL
Ethosuximide	> 200 ug/mL
Phenobarbital	> 60 ug/mL
Phenytoin (Dilantin)	> 40 ug/mL (toxicity may occur at lower concentrations in presence of low Albumin)
Primidone	> 24 ug/mL
Valproic Acid (Depakote)	> 200 ug/mL
Anti-Depressants:	
Test Name	Critical Value
Lithium (Acute Therapy)	> 2.0 meq/L
Imipramine	> 400 ng/mL
Anti-Dysrhythmics:	
Test Name	Critical Value
Procainamide	> 10 ug/mL
Quinidine	> 6 ug/mL
Theophylline	> 25 ug/mL
Digoxin (Lanoxin)	> 2.5 ng/mL

## CRITICAL VALUES

Urinalysis	
Test Name	Critical Value
Microscopic	Foreign cells, Tissue
Blood (males only)	Gross (visually bloody)

Microbiology
Positive Blood Cultures
Positive Blood Culture Gram Stains
MRSA Cultures - Methicillin resistant Staphylococcus aureus
MRSE Cultures - Methicillin resistant Staphylococcus epidermidis
MRSS Cultures - Methicillin resistant Staphylococcus species
VISA Cultures - Vancomycin intermediate Staphylococcus aureus
VRSA Cultures - Vancomycin resistant Staphylococcus aureus
Oxacillin resistant Streptococcus pneumonia
Vancomycin resistant Enterococcus species
Positive biological indicator cultures
Positive Campylobacter on stool cultures
Positive E. coli 0157:H7
Positive TB Culture
Positive TB Smear
Positive cerebrospinal fluid culture and smear
Positive body cavity fluid culture
Salmonella & Shigella on stool cultures following positive confirmation from the Health Department