

**ALERT AND CRITICAL VALUES:  
Revised 08/2007**

TEST PROCEDURE	LOW CRITICAL	HIGH CRITICAL	DRUG LEVEL	TOXIC
BUN		> 100 mg/dl	Acetaminophen	> 30 mcg/ml
Bilirubin, Total		> 15.0 mg/dl	Carrbamazepine	> 20 ug/ml
Calcium	< 6.6 mg/dl	> 13.0 mg/dl	Digoxin	> 2.5 ng/mL
Creatinine	> 7.4 mg/dl		Lithium	> 1.5 meq/L
Glucose	< 40 mg/dL	> 450 mg/dL	Phenytoin (dilantin)	> 40.0 ug/mL
Newborn Glucose*	< 40 mg/dL	>200mg/dl	Phenobarbital	> 60.0 ug/mL
Magnesium	< 1.0 meq/L	> 4.9 meq/L	Salicylate	> 30.0 mcg/ml
Phosphorous	< 1.2 mg/dL	> 8.9 mg/dL	Theophylline	> 25.0 ug/mL
Potassium	< 3.0 meq/L	Newborn >7.8 meq/L	Valproic Acid	> 200 ug/mL
		1-10 yrs >6.4 meq/L	Vancomycin Trough	> 15 mcg/mL
		> 10 yrs >6.2 meq/L		
Sodium	< 120 meq/L	> 160 meq/L	Gentamicin Trough	> 2.0 ug/mL
Chloride	< 75 mEq/L	> 125 meq/L	Gentamicin Peak	> 12 ug/mL
Carbon Dioxide (CO2)	< 10 mg/dL	> 40 mg/dl	ETOH- Blood Alcohol	> 300 mg/dl
Phosphorous	< 1.2 mg/dl	> 8.9 mg/dl		
Ionized Calcium	< .78mmol/L	> 1.57 mmol/L		
Hematocrit	Newborn: < 40%	Newborn: > 64.0%		
	Adult: < 20.0 %	Adult: > 60.0%		
Hemoglobin	Newborn: < 12 g/dL			
	Adult: < 7.0 g/dL	Adult: > 20.0 g/dL		
Platelet	< 50 x 1000/uL	> 1000 x 1000/uL		
WBC	< 1.5 x 1000/uL	> 30.0 x 1000/uL		
APTT		> 60.0 seconds		
Prottime		5 INR		
Fibrinogen	< 88 mg/dL			

**QUALITATIVE RESULTS**

- |                                 |                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| √ Differential                  | Any cell younger than a myelocyte confirmed by Path Review                                                                    |
| √ Blood Bank                    | Any Leukemia with no previous history confirmed by Path Review<br>Any incompatible crossmatch<br>Any positive antibody screen |
| √ Urinalysis - dipstick         | 3+ - 4+ Glucose AND Ketones                                                                                                   |
| √ Blood Culture                 | Any positive growth                                                                                                           |
| √ Urinalysis - microscopic      | Presence of pathologic crystals on urinalysis                                                                                 |
| √ Acid Fast Cultures            | Growth of Acid Fast Organism                                                                                                  |
| √ Sickle Cells                  | Presence of drepanocytes (sickle cells) with no previous history                                                              |
| √ Acid Fast Smears              | Positive for Acid Fast Bacilli                                                                                                |
| √ CSF Cultures                  | Any positive growth                                                                                                           |
| √ Any Culture                   | Any reportable communicable disease, refer to separate chart                                                                  |
| √ Malarial Parasites            | Positive                                                                                                                      |
| √ Rapid Antigen detection (CIE) | Positive Group B streptococci;<br>Haemophilus influenzae b, or Neisseria meningitidis                                         |

\* Newborn POCT Glucose may be reported without lab confirmation to 0.0mg/dl.  
Critical reporting delineated in physician orders.