

Call-Back Critical Values

Test	Low	High
Chemistry		
Acetaminophen (Tylenol®)		>50 µg/mL
Alanine Aminotransferase (ALT/SGPT)		>500 IU/L
Alcohol		>400 mg/dL
Amylase		>500 IU/mL
Aspartate Aminotransferase (AST/SGOT)		>500 IU/L
Bilirubin 0-29 days All patients		>15 mg/dL >30 mg/dL (report as sentinel event)
Blood Urea Nitrogen (BUN)		>100 mg/dL
Calcium	<6 mg/dL	>12 mg/dL
Creatinine		>10 mg/dL
Carbamazepine (tegretol)		>20 µg/mL
Carboxyhemoglobin		>10%
Digoxin		>2 ng/mL
Dilantin® (Phenytoin)		>30 µg/mL
Dilantin® (Free)		>2.6 µg/mL
Fetal Fibronectin (fFN)		All positives
Gentamicin Peak Random Trough		>12 µg/mL >12 µg/mL >2 µg/mL
Glucose 0-21 days 22 days-adult	<30 mg/dL <40 mg/dL	>400 mg/dL >400 mg/dL
HIV Screen (incidence only)		All positives
Lactic Acid		>5 nmol/mL
Lidocaine		>5 µg/mL
Lithium		>2 mmol/L
Magnesium Obstetrics	<1 mg/dL	>4 mg/dL >8 mg/dL
Phenobarbital		>60 µg/mL
pH	<7.2	>7.6
pO ₂	<50 mm/hg	
Phosphorus	<1 mg/dL	
Potassium 0 days-1 month 1 month-adult	<3 mmol/L <3 mmol/L	>8 mmol/L >6.5 mmol/L

Test	Low	High
Chemistry (Cont.)		
Salicylate (Aspirin)		>30 mg/dL
Sodium	<120 mmol/L	>160 mmol/L
Theophylline		>20 µg/mL
Tobramycin Peak Random Trough		>10 µg/mL >12 µg/mL >2 µg/mL
Troponin I		>0.5 ng/mL
Valproic Acid		>200 µg/mL
Vancomycin Peak Random Trough		>60 µg/mL >60 µg/mL >20 µg/mL
Test		
Clinical Microbiology/Urinalysis		
RBC (blood) Casts		if present
Glucose + Ketone		if present
Gram Stain (blood, joint fluid, spinal fluid)		all positives
Malaria		all positives
Blood Culture		all positives
Acid-Fast Smear		all positives
West Nile Virus		all positives
Placenta Group B Vaginal		all positives
Undiagnosed Sepsis Catheter Tip		all positives
Systemic Fungus Culture		all positives
Herpes DFA or Culture on Undelivered OB		all positives
Potential Bioterrorism Agent		all positives
Test	Low	High
Hematology/Coagulation		
D-Dimer (Obstetrics and post-partum)		>0.5 µg/mL FEU
Factor VIII	<20%	
Fibrinogen	<100 mg/dL	
Hemoglobin newborn	<7.0 g/dL <10 g/dL	>20 g/dL >25 g/dL
Partial Thromboplastin Time (PTT) newborn (SPRH only)		>140 seconds >80 seconds
Platelet Count	<50,000 mm ³	>1,000,000 mm ³
Protime INR		>50 seconds >5

Test	Low	High
Hematology/Coagulation (Cont.)		
WBC	<2.0 mm ³	>40 mm ³
Test		
Immunology/Serology		
<i>Cryptococcus</i>	all positives	
Meningitis Panel	all positives	