

## Women and Infants Laboratory Critical Value List

Chemistry			
Analyte	Age Range	Critical Value Low	Critical Value High
Ammonia	Any Age		>100 ucmol/L
Arterial pH	Any Age	<7.110	>7.590
Amylase Level	Any Age		>400 IU/L
Bile Acids Total	Any Age		>40 mcmol/L
Bilirubin, Total	Pediatric: Adult:		>15.0 mg/dL >19.9 mg/dL
Calcium	Pediatric: Adult:	<6.1 mg/dL <7.0 mg/dL	>12.9 mg/dL >12.0 mg/dL
CPK total	Adult		>1000 IU/mL
Gentamicin	Any Age		Trough >2.0 mcg/mL
Glucose	Birth-5 days 6 days-150 years	<30 mg/dL <50 mg/dL	>300 mg/dL >500 mg/dL
Glucose, CSF	Any Age	<40 mg/dL	>80 mg/dL
Lactic Acid	Any Age		>2.0 mmol/L
Lithium Level	Adult		>1.49 mmol/L
Magnesium	Pediatric: Adult:	<1.0 mg/dL <1.0 mg/dL	>7.0 mg/dL >6.0 mg/dL
Phenobarbital	Any Age		>60 mcg/mL
Phenytoin	Any Age		>60 mcg/mL
Phosphorus	Any Age	<1.0 mg/dL	
Protein, CSF	0 days-8 days 8 days-1 month 1 month-12 years >12 years	<40 mg/dL <20 mg/dL <15 mg/dL <8 mg/dL	>120 mg/dL >80 mg/dL >40 mg/dL >40 mg/dL
Potassium	0 days-1 month >1 month	<2.4 mmol/L <3.0 mmol/L	>6.4 mmol/L >6.0 mmol/L
Sodium	0 days-12 years >12 years	<125 mmol/L <126 mmol/L	>150 mmol/L >160 mmol/L
Theophylline	Any Age		>25.0 mcg/mL
Troponin	Adult		≥0.029 ng/mL
Valproic Acid	Any Age		>200 mcg/mL
Hiv P24 Ag or Ab(DOH)		Confirmed Positive	
Hiv-1 Rapid Screen		Presumptive Positive	

Transfusion Service	
Test or Procedure	Critical Findings
Antibody Titer	≥ 1:8
Transfusion Reaction Workup	Hemolysis or red blood cell incompatibility
Crossmatch (post-release)	Discovery of an incompatibility upon completion of testing during an emergency release situation

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Hematology and Coagulation			
Analytes	Age Range	Critical Value Low	Critical Value High
WBC	Birth-1 day 1 day-7 days >7 days	<2.5 x10 <sup>3</sup> mcL <2.5 x10 <sup>3</sup> mcL <1.0 x10 <sup>3</sup> mcL	≥32.0 x10 <sup>3</sup> mcL ≥36.0 x10 <sup>3</sup> mcL ≥50.0 x10 <sup>3</sup> mcL
Absolute Neutrophil Count	Any age	<0.5 x10 <sup>3</sup> mcL	
Hemoglobin	0 days-30 days 1 month-2 months 2 months-14 years >14 years	<12.0 g/dL <9.0 g/dL <8.0 g/dL <7.0 g/dL	
Platelets	Birth-14 years >14 years	<100 x10 <sup>3</sup> mcL <50 x10 <sup>3</sup> mcL	
INR	Any Age		>5.0 secs
Partial Thromboplastin Time	Any Age		>100 secs
Blasts on Peripheral Smears	Any Age	Any Amount Seen	
Blood Parasites	Any Age	Ring Forms Seen	

Microbiology	
Test or Procedure	Critical Findings
Amniotic Fluid Gram Stain	Positive
Blood Culture	Positive
CSF Gram Stain/Culture	Positive
NICU Preliminary Urine Culture	Positive
Invasive Group A Streptococcus cultures (urine, soft tissue, sterile sites)	Positive

Genetics	
Test or Procedure	Critical Values
NA	There are no critical values defined at this time

Prenatal & Special Testing	
Test or Procedure	Critical Values
NA	There are no critical values defined at this time