

Standardized Critical Values - SCL Health (Laboratory) - Supporting Document

ARTERIAL BLOOD	LOW	HIGH	NOTES
pCO ₂	<20 mmHg	>70 mmHg	
pO ₂	<40 mmHg	n/a	
pH	<7.20	>7.60	
CHEMISTRY			
Bilirubin (neonatal)	0 days old	≥10 mg/dL	
	1 day old	≥13.5 mg/dL	
	2 days old	≥16.0 mg/dL	
	3-4 days old	≥17.5 mg/dL	
	5 days to 1 month	≥18.0 mg/dL	
Calcium (Total)	<6.0 mg/dL	>13.0 mg/dL	
Cord Blood Gas	pH ≤ 7.0 or Base Deficit ≥16	n/a	
Ionized calcium	<0.80 mmol/L	>1.60 mmol/L	
CO ₂ (Bicarbonate)	<10 mmol/L	>40 mmol/L	
Glucose (non-neonatal)	<50 mg/dL	>500 mg/dL	
Glucose (neonatal)		>300 mg/dL	
Lactate	n/a	≥4.0 mmol/L	
Magnesium (Mg)	<1.0 mg/dL	>5.0 mg/dL	
Phosphorus (P)	<1.0 mg/dL	>8.0 mg/dL	
Potassium (K)	<2.5 mmol/L	>6.0 mmol/L	
Sodium (Na)	<120 mmol/L	>160 mmol/L	
Troponin I (4th Gen)	n/a	>0.300 ng/mL	
HEMATOLOGY			
Hemoglobin	<7.0 g/dL	n/a	
Hematocrit	<21.0%	n/a	
Platelets	<20 x 10 ³ /μL	>1000 x 10 ³ /μL	
White blood cell count	<2.00 x 10 ³ /μL	>50.00 x 10 ³ /μL	
Absolute neutrophil count	<0.5 x 10 ³ /μL	n/a	Call on first occurrence
Differential	Presence of blasts and blood parasites		Call on first occurrence
Malaria antigen test	Positive test		
COAGULATION			
INR	n/a	>5.00	
aPTT	n/a	>140.0 sec	
Fibrinogen	<100 mg/dL	n/a	

Policy: [Communicating Critical Results - GSMC, LMC, and SJH](#)

Policy: [Critical Test and Value Reporting - HRH](#)

Policy: [Critical Laboratory Values - PVMC \(Lab - Safety\)](#)

Policy: [Communicating Critical Results - SCL Health \(CCC - Sloan's Lake\)ake](#)

Policy: [Critical Results and Critical Test Handling- SMMC \(Lab\)](#)

Policy: [Critical Value Handling Process - SMMC \(Lab\)\(Lab\)](#)

Policy: [Critical Values Notification - SJB](#)

Policy: [Critical Results Reporting - SVH](#)

Policy: [Critical Laboratory Results Handling – SVH \(LA\)](#)

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TDM			
Acetaminophen	n/a	>40.0 µg/mL	
Carbamazepine	n/a	>15.0 µg/mL	
Digoxin	n/a	≥2.5 ng/mL	
Gentamicin (Trough)	n/a	>2.0 µg/mL	Drawn 30 minutes pre infusion
Lithium	n/a	>1.5 mmol/L	Trough
Phenobarbital	n/a	>50.0 µg/mL	
Phenytoin	n/a	>30.0 µg/mL	
Salicylates	n/a	>30.0 mg/dL	
Theophylline	n/a	>25.0 µg/mL	
Tobramycin (Trough)	n/a	>2.0 µg/mL	Drawn 30 minutes pre-infusion
Valproic Acid	n/a	>150.0 µg/mL	
Vancomycin (Trough)	n/a	>20.0 µg/mL	
MICROBIOLOGY			
Blood culture	Positive culture or smear		AFB, bacterial, fungal
CSF culture	Positive culture, smear or molecular test		AFB, bacterial, fungal
Sterile body fluid culture	Positive culture or smear		AFB, bacterial, fungal
Any agent of bioterrorism			
TRANSFUSION MEDICINE			
Transfusion reactions	Hemolytic transfusion reaction or septic transfusion reaction		

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