

**PROVIDENCE ALASKA MEDICAL CENTER
PEDIATRIC CRITICAL VALUES
January 2019**

ATTACHMENT B - ADM.QI.004

CHEMISTRY		HEMATOLOGY	
Analyte	Critical Values	Analyte	Critical Values
Ammonia	-- > 200 mg/dL	WBC	> 50,000/uL*
Bilirubin, Direct	-- > 1.0 mg/dL	ANC ≤ 30 days	<1.0
Bilirubin, Total	-- > 18 mg/dL	ANC > 30 days	<0.5
BUN	-- > 100 mg/dL	Hemoglobin	< 7.0 g/dL > 22.0 g/dL
Calcium	< 6 > 13 mg/dL	Hematocrit	< 25 % --
CO2	<10 > 45 mmol/L	Platelet	< 30,000/μL --
		* First time elevated white blood cell counts in patients with leukemia. Do not call similar counts on repeat testing	
Creatinine	-- > 2 mg/dL	COAGULATION	
Glucose	< 40 > 200 mg/dL	Analyte	Critical Values
Magnesium	< 1.0 > 4.4 mg/dL	INR	-- > 5.5
Phosphorus	< 1.0 > 10 mg/dL	PT	-- > 65 Sec
Potassium	< 2.7 > 6.5 mmol/L	PTT	-- >100 Sec
Sodium	< 120 > 160 mmol/L	Fibrinogen	< 75 mg/dL --
Lactate	-- > 4 mmol/L	Factor Activity	< 5%
MICROBIOLOGY Critical Values		THERAPEUTIC DRUGS	
Positive malarial smear Positive cryptococcal antigen in CSF First positive results and subsequent new isolates from: gram stain or culture from blood or cerebrospinal fluid (CSF) in inpatients.		Analyte	Critical Values
		Carbamazepine	> 15 μg/mL
		Digoxin	> 3.0 μg/mL
		Dilantin	> 30 μg/mL
		Ethanol	Any
		Gentamicin Peak	> 12 μg/mL
		Gentamicin Trough	> 2.1 μg/mL
		Lithium	> 2 mmol/L
		Valproic Acid	> 150 μg/mL
		Vancomycin Trough	> 20 μg/mL
Vancomycin Random	> 45 μg/mL		
Vancomycin Peak	> 80 μg/mL		
TRANSFUSION SERVICES Critical Values			
Newborn Positive Direct Coombs Test (DAT)			
Hemolytic Transfusion Reaction, Transfusion related acute lung injury (TRALI), or anaphylactic reaction			