

**PROVIDENCE ALASKA MEDICAL CENTER  
ADULT CRITICAL VALUES  
November 2020**

**ATTACHMENT A - ADM.QI.004**

<b>CHEMISTRY</b>		<b>HEMATOLOGY</b>	
<b>Analyte</b>	<b>Critical Values</b>	<b>Analyte</b>	<b>Critical Values</b>
Calcium	-- >14 mg/dL	WBC	<500/ $\mu$ L >100,000 $\mu$ L*
C02 (serum & plasma only)	<10 >40 mmol/L	Hemoglobin	< 6.0 g/dL > 21 g/dL
Glucose	<50 >600 mg/dL	Hematocrit	< 20 > 60%
Phosphorus	<1.0 -- mg/dL	Platelet	<20,000/ $\mu$ L
Magnesium	<1.0 >5 mg/dL		
Potassium	<2.5 >6.5 mmol/L	* First time elevated white blood cell counts in patients with leukemia. Do not call similar counts on repeat testing	
Sodium	<120 >160 mmol/L	<b>COAGULATION</b>	
Lactate	-- >4.0 mmol/L		<b>Critical Values</b>
		INR	-- > 5.5
		Protime	-- >65 Seconds
		PTT	-- >100 Seconds
		Fibrinogen	<75 mg/dL
<b>MICROBIOLOGY Critical Values</b>		<b>THERAPEUTIC DRUGS</b>	
<p style="color: red;">Positive COVID PCR for Inpatients, Caregiver Health, and Providence sweeps.</p> <p>Positive malarial smear Positive cryptococcal antigen in CSF Initial positive Gram Stain/cultures of CSF</p> <p>First positive results and subsequent new isolates from: gram stain or culture from blood or cerebrospinal fluid (CSF) in inpatients.</p>		<b>Analyte</b>	<b>Critical Values</b>
		Carbamazepine	-- >15 $\mu$ g/mL
<p style="text-align: center;"><b>TRANSFUSION SERVICES Critical Values</b></p> <p>Transfusion reaction investigation suggestive of an acute hemolytic, Transfusion-Related Acute Lung Injury (TRALI), or anaphylactic reaction</p> <p>Red blood cell that were issued on an emergency basis and later found to be incompatible</p> <hr/>		Digoxin	-- >3 ng/mL
		Dilantin	-- >30.0 $\mu$ g/mL
		Gentamicin Peak	-- >12.0 $\mu$ g/mL
		Gentamicin Trough	-- >2.1 $\mu$ g/mL
		Lithium	-- >2.0 mmol/L
		Valproic Acid	-- >150 $\mu$ g/mL
		Vancomycin Trough	-- >20 $\mu$ g/mL
		Vancomycin Random	-- >45 $\mu$ g/mL
		Vancomycin Peak	-- >80.0 $\mu$ g/mL
			Approved Nov 2020 Med Staff Meeting