PROVIDENCE ALASKA MEDICAL CENTER
ADULT CRITICAL VALUES
January 2019

ATTACHMENT A - ADM.QI.004

CHEMISTRY

Analyte	Critical Values
Calcium	-- >14 mg/dL
C02 (serum & plasma only)	<10 >40 mmol/L
Glucose	<40 >600 mg/dL
Phosphorus	<1.0 -- mg/dL
Magnesium	<1.0 >5 mg/dL
Potassium	<2.5 >6.5 mmol/L
Sodium	<120 >160 mmol/L
Lactate	-- >4.0 mmol/L

MICROBIOLOGY
Critical Values

Positive malarial smear
Positive cryptococcal antigen in CSF
Initial positive Gram Stain/cultures of CSF

First positive results and subsequent new isolates from: gram stain or culture from blood or cerebrospinal fluid (CSF) in inpatients.

TRANSFUSION SERVICES
Critical Values

Transfusion reaction investigation suggestive of an acute hemolytic, Transfusion-Related Acute Lung Injury (TRALI), or anaphylactic reaction

Red blood cell that were issued on an emergency basis and later found to be incompatible

HEMATOLOGY

Analyte	Critical Values
WBC	<500/µL >100,000 µL*
Hemoglobin	< 6.0 g/dL > 21 g/dL
Hematocrit	< 20 > 60%
Platelet	<20,000/µL

* First time elevated white blood cell counts in patients with leukemia. Do not call similar counts on repeat testing

COAGULATION

	Critical Values
INR	-- > 5.5
Protime	-- >65 Seconds
PTT	-- >100 Seconds
Fibrinogen	<75 mg/dL

THERAPEUTIC DRUGS

Analyte	Critical Values
Carbamazepine	-- >15 µg/mL
Digoxin	-- >3 ng/mL
Dilantin	-- >30.0 µg/mL
Gentamicin Peak	-- >12.0 µg/mL
Gentamicin Trough	-- >2.1 µg/mL
Lithium	-- >2.0 mmol/L
Valproic Acid	-- >150 µg/mL
Vancomycin Trough	-- >20 µg/mL
Vancomycin Random	-- >45 µg/mL
Vancomycin Peak	-- >80.0 µg/mL