



GLS.250 - Central Zone ECH Meditech Ring Critical Values

Applicability: This document lists critical values applicable to APL sites in North Sector Area 5 - ECH-HCIS Meditech Ring.

Test Name	Critical Value
CHEMISTRY	
Acetaminophen	>250 µmol/L
Bilirubin - Direct	> 18 (≤ 31 days)
Bilirubin – Total	> 300 (< 30 days)
Calcium	<1.65 or >3.25 mmol/L
CSF Glucose, Protein	All results phoned as per critical value procedure
Ethanol	> 65 mmol/L
Glucose (incl. i-STAT)	<2.0 or >24.9 mmol/L (< 30 days old) <2.6 or >24.9 mmol/L (≥ 30 days old)
Lactate	>4.0 mmol/L
Lithium	>2.0 mmol/L
Magnesium	<0.4 or >1.9 mmol/L
Phosphate	<0.40 mmol/L
Potassium	0-28 days <3.0 or >6.4 29 days – 17 yrs <3.0 or >6.0 =>18 yrs <2.6 or 6.2
Salicylate	> 2.20 mmol/L
Sodium	<120 or >155 mmol/L
Troponin I	>0.10 ug/L
BLOOD GASES	
pH (not umbilical specimens)	<7.2 or >7.6
pCO ₂	<20 or >70 mmHg
pO ₂	<40
HCO ₃	<10 or >40 mmol/L
Cord Arterial pH	<7.10 or >7.60
Cord Venous pH	<7.15 or >7.60
URINALYSIS	
Preg Test	Positive (<16 years old)
HEMATOLOGY	
White Blood Cell Count	<0.6 or >99.9 x 10 ⁹ /L
Hemoglobin	0-7 days <100 g/L and >240 g/L >7 days <60 g/L and >240 g/L
Platelet	<30 x 10 ⁹ /L
Neutrophils	<0.6 x 10 ⁹ /L
Blasts	>2% (new patient)
Malaria	Presumptive (new patient)

COAGULATION	
PTT	>119 seconds
INR	>5.0
TRANSFUSION MEDICINE	
DAT	Positive (cord/newborn specimen)
Antibody screen	Positive
Hemolytic Transfusion Reaction	Investigation