

Critical Values List

Analyte	Less Than	Greater Than
CLINICAL CHEMISTRY		
Bilirubin, Total		15.9 mg/dL
Calcium Ionized	0.78	1.58 mg/dL
Calcium	6.0	12.7 mg/dL
CKMB		110* ng/mL
Troponin		0.5 * ng/mL
CO2	15	40 mmol/L
Glucose	40	500 mg/dL
Magnesium	1.0	4.9 mg/dL
Phosphorous	1.0	8.9 mg/dL
Potassium	2.8	6.2 mmol/L
Sodium	120	155 mmol/L
PCO2	20	60 mm HG
PO2	40	200 mm HG
PH	7.250	7.550 pH
HEMATOLOGY AND COAGULATION		
Platelet Count	50 K/uL	800 K/uL
WBC's	2.0 K/uL	30.0 K/uL
Absolute Neutrophils	0.5 K/uL	
Hemoglobin	7.0 Inpatient, 8.0 Outpatient* g/dL	20.0 g/dL
HCT (Hematocrit)	24 %	60 %
CSF WBC		30 WBC/mm ³ >1 year old 20 WBC/mm ³ 0 – 2 months 7 WBC/mm ³ 2 months to 1 year old
INR		4.9
PTT		125 Seconds
Urine Ketones		80 mg/dL if child <4 months old
Urine Glucose		1000 mg/dL if child <4 months old
MICROBIOLOGY		
Blood Culture or CSF	Positive	
Gram stain	Positive on CSF smear, CS culture , or other sterile body site	
AFB Smear or Culture	Positive	
Genital Herpes Culture	Positive for Herpes if female of child bearing years	
TOXICOLOGY/TDM'S		
Carbamazepine		14 µg/mL
Lithium		1.8 mmol/L
Gentamicin, PEAK		11.9 µg/mL
Gentamicin, TROUGH		1.9 µg/mL
Gentamicin, Random		11.9 µg/mL
Digoxin		2.4 ng/mL
Dilantin		29 µg/mL
Theophylline		19 µg/mL
Tobramycin, PEAK		11.9 µg/mL
Tobramycin, TROUGH		1.9 µg/mL
Valproic Acid		149 µg/mL
Vancomycin, PEAK		39 µg/mL
Vancomycin, TROUGH		14.9 µg/mL
Tests that Need Follow-Up		
All Cultures	Any pathogen listed on the State Health Lab reporting list	
<i>Any Abnormal Coagulation on a pre-surgery patient MUST be called</i>		
Pre-Surgery PT		> 13.8 Seconds
Pre-Surgery PTT		> 35 Seconds
Pre-Surgery PFT, EPI		> 112 Seconds

*Outpatient Only Testing Sites may modify or include site specific values and attach.