

GL- Glens Falls Hospital Laboratory Critical Values

Chemistry		
Test	Critical Values	
	LOW	HIGH
Acetaminophen	N/A	≥ 50 µg/dL
ALT	N/A	> 500 U/L
Amylase	N/A	> 500 U/L
AST	N/A	> 500 U/L
BUN	N/A	> 100 mg/dL
Calcium Total	< 7 mg/dL	> 13 mg/dL
Chloride	< 70 mmol/L	> 125 mmol/L
Digoxin	N/A	> 2.0 ng/mL
Dilantin (Phenytoin)	N/A	> 30 µg/mL
Gentamycin	N/A	Peak: > 10 µg/mL Random: > 8 µg/mL
Glucose (adult)	< 50 mg/dL	> 400 mg/dL
HIV	N/A	POS – Maternity (2W) or exposure
Blood Borne Pathogen Exposure Protocol (HIV, Hep B, Hep C)	ALL results (Neg and POS) called to Employee Health or the Nursing Supervisor	
HS Troponin T 5th Gen	N/A	≥ 53 ng/L
Lactic acid	N/A	≥ 4.0 mmol/L
Lipase	N/A	> 500 U/L
Lithium	N/A	> 2.0 mmol/L
Magnesium	< 1 mg/dL	> 9.7 mg/dL
Phosphorus	< 1.0 mg/dL	N/A
Potassium	< 2.8 mmol/L	> 6 mmol/L
Procalcitonin	N/A	> 1.0 ng/mL
Salicylate	N/A	> 30 mg/mL
Sodium	< 120 mmol/L	> 160 mmol/L
Tobramycin	N/A	> 10.0 µg/mL
Total Bilirubin (TBIL)	N/A	> 15 mg/dL
Total CO2	<15 mmol/L	N/A
Valproic Acid	N/A	> 125 µg/mL
Vancomycin	N/A	> 40 µg/mL

Hematology		
Test	Critical Values	
	LOW	HIGH
Hemoglobin	< 7.0 gm/dL	≥ 19.0 g/dL
aPTT	N/A	≥ 155 seconds
INR	N/A	≥ 6.0
Fibrinogen	≤ 100 mg/dL	N/A
LMW Heparin	N/A	≥ 2.0 IU/mL
Unfractionated Heparin	NA	≥ 1.0 IU/mL
WBC (Age >1 month)	≤ 2,000 WBC/uL	≥ 25,000 WBC/uL
WBC (Age 0 min – 1 month)	≤ 2,000 WBC/uL	≥ 30,000 WBC/uL
Platelet Count	≤ 30,000 PLT/uL	≥ 1,000,000 PLT/uL
CSF (Color and Clarity)	N/A	Xanthochromia Present

Blood Gases		
Test	Critical Values	
	LOW	HIGH
Carboxyhemoglobin	N/A	> 1.5% smoker > 0.5% non-smoker
Methemoglobin	N/A	> 1.6%
pH	< 7.3	> 7.55
Cord pH	< 7.23	> 7.4
pO2	< 58 mmHg	> 350 mmHg
pCO2	< 25 mmHg	> 65 mmHg

All results reported as critical by reference lab must be immediately called to ordering provider, on call provider or designee.

Microbiology Critical and Reportable Results			
Result	Notify MD	*IP- Call Nursing Unit *OP-Fax to Office *HHHN- call (do not fax)	Call Infection Control (IP only)
AFB – Positive Smear or Culture	X		X
Blood Culture – New Positives AND Identification of a non-contaminant.	X		X
C. difficile – C diff Positive Toxin by EIA only		X	X
Positive SARS-CoV-2 (COVID-19) – by any method performed at GFH main laboratory		X	X
Any positive from the Respiratory 22 Panel		X	X *Only for Flu, RSV, Rhino/Enterovirus, Adenovirus, Pertussis, or Mycoplasma
CSF – Positive Smear or Culture	X		X
Inner Ear or Eye – Fluid aspirates only Positive Smear or Culture	X		
Giardia/Crypto – Positive		X	X
Group A Strep – (if from blood or sterile body fluid- follow those individual protocols)		X	
IVD (Intravenous Dwelling) Catheter Cultures – Colony Count (CC) >15 / Pure Cultures Only		X	
MRSA – New positives (PCR or culture)		X	X
OR smears – when results are requested	X		
Resistant Organisms – New Isolates (MDRO, MRSA, CRE, MDRTB, Carbapenemase Producing Organism)	If CRE, MDRTB or Carbapenemase producing organism	X	X Notify OP with CRE or Carbapenemase producing organism Notify PharmD for IP or OP
Sterile Body Fluid – New Positive Smear or Culture	X		
Stool Culture – Pathogens		X	X
Systemic Fungi – (Blastomyces, Coccidioides, Histoplasma, Paracoccidioides)		X	
VRE – New Isolates		X	X
Any positive from the GI Panel		X	X
Zygomycetes – From Wounds, Tissue or Aspirates – also notify ID Pharm D	X		X

Definitions: IP- Inpatient; OP- Outpatient; HHHN- Hudson Headwaters Health Network

Call to physician within 1 hour of receipt/detection

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