

GEN 112T1 GEN 112T1 Critical Values Table 1

Copy of version 1.0 (approved and current)

Last Approval or
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Printed By Scott Lowell (19048)

Organization MaineGeneral Medical Center

Comments for version 1.0

Initial version

Approval and Periodic Review Signatures

Type	Description	Date	Version	Performed By	Notes
Approval	Lab Director	11/25/2025	1.0	<i>Cheri Aubertine</i> Cheri Aubertine (4140)	
Approval	Designated Reviewer	11/21/2025	1.0	Scott Lowell (19048)	

Version History

Version	Status	Type	Date Added	Date Effective	Date Retired
1.0	Approved and Current	Initial version	11/21/2025	11/25/2025	Indefinite

Linked Documents

- GEN 112 GEN112 CRITICAL VALUES
- GEN112F2 Critical Call Attempt Log

Table 1: Title GEN 112 Critical Values & Notifiable Results

Tabel 1 - Critical Values

CRITICAL VALUES TABLE		
Chemistry		
Analyte/Test	Critical Low	Critical High
Acetaminophen		>120.0 µ g/mL
Bilirubin Neonatal		>15 mg/dL
Blood Gases (Arterial or Venous) Bicarbonate PCO ₂ pH PO ₂ (Arterial Only) Carboxyhemoglobin	<10 mmol/L <20 mm Hg <7.2 pH Units <60 mm Hg N/A	>45 mmol/L >60 mm Hg >7.6 pH Units N/A >= 10%
Cord Blood Gases pH Base Excess	≤7.0 pH N/A	N/A ≥10 mmol/L
Calcium	<6.0 mg/dL	>13 mg/dL
Carbamazepine (Tegretol®)		>18 µ g/mL
Carbon Dioxide (CO ₂) (Excluding Dialysis)	<10 mmol/L	
Cerebrospinal Fluid (CSF) Glucose Protein	<40 mg/dL	>200 mg/dL >100 mg/dL
CKMB Assay		>7.0 ng/mL (first in series)
Cortisol (Excluding Post Dexamethasone CORTD)	<3 µ g/dL	
Creatine Kinase (CK)		>6,000 U/L
Creatinine (Excluding Dialysis)		>5 mg/dL
Digoxin		>2.5 ng/mL
Ethanol		>300 mg/dL or >0.30%
Gentamicin (Peak)		>12.0 µ g/mL
Glucose	<45 mg/dL	>450 mg/dL
Lactic Acid		>4.0 mmol/L
Lithium		>1.8 mmol/L
Magnesium	<1.0 mg/dL	>4.5 mg/dL
Osmolality (Serum Only)	<250 mOsm/kg	>320 mOsm/kg
Phenobarbital		>50 µ g/mL
Phenytoin (Dilantin®)		>30 µ g/mL
Phosphorus	<1.0 mg/dl	
Potassium	<2.5 mmol/L	>6.0 mmol/L
Salicylate		>50 mg/dL
Sodium	<120 mmol/L	>160 mmol/L
T4 (Thyroxine), Free		>4.0 ng/mL

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Theophylline		>25 µ g/mL
Thyroid-Stimulating Hormone (TSH)		>100 mIU/L
Tobramycin (Peak)		>12.0 µ g/mL
ATELLICA IM (ACH) Troponin, High Sensitivity		Females >35.0 pg/ml Males >55.0 pg/ml (first in series only)
EXL (TCH) Troponin, High Sensitivity		Females >51.0 pg/mL Males >76.0 pg/mL (first in series only)
Urea Nitrogen (BUN)		>150 mg/dL
Uric Acid		>12.5 mg/dL
Valproic Acid (Depakane®)		>135 µ g/mL
Vancomycin (Peak)		>50 µ g/mL

Hematology		
Analyte/Test	Critical Low	Critical High
White Blood Cell	< 1,000/uL	>50,000/uL
Fibrinogen	<100 mg/dL	
Hemoglobin	<7.0 g/dL	>20 g/dL (Adults)
Hematocrit	<30% (Newborns: 0-14 days)	>70% (Newborns: 0-14 days)
Platelet Count	<30,000/cu mm	>1,000,000/cu mm
Partial Thromboplastin Time (PTT)		>120 seconds
Prothrombin Time INR		>4.0
Urinalysis (Glucose/Ketones)	Any Amount Detected (Newborns: 0-14 days)	

Microbiology	
Analyte/Test	Critical Result
Body Fluid Gram Stain or Culture CSF Synovial Pleural Pericardial Peritoneal (Exception: Peritoneal Fluid collected as swab)	Positive
Cerebrospinal Fluid (CSF) Gram Stain or Culture	Positive
Culture, Blood	Organisms seen in Gram Stain of Positive Vial
Direct Acid Fast Stains	Positive
MRSA Nasal PCR	MRSA Positive

Blood Bank

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Analyte/Test	Critical Result
Direct Antiglobulin Test	Positive
Transfusion	Positive Transfusion Reaction

NOTIFIABLE VALUES TABLE		
Analyte/Test		Notifiable Value
Blood Parasites		Any blood parasite seen in Blood Smear and confirmed by Pathologist (see HEM 310)
Any Notifiable result received telephonically from Reference Labs		

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