



This Document is held under Laboratory Document Control and was approved by Kerrie Emerick, MD Laboratory Medical Director

Tests included on this list were determined and approved by a combination of the following: Kerrie Emerick, MD, Infection Control, Deaconess Hospital Pharmacy & Therapeutics Committee, Hospital CMO and CPO.


## Critical Lab Results Notification Test List 02/08/2023

Test Name	Parameters	Critical Values
Acetaminophen		>150 ug/mL
Arterial Cord Blood Gas pH		<=7.15
Arterial Cord Blood Gas Base Excess		<= -7meq/L
Blood Alcohol		>400 mg/dL
Blood Gases	pH	<7.20, >7.60
Bilirubin, Direct		>20.0 mg/dL
Bilirubin, Total	0 up to 1 day	>6.0 mg/dL
	1 day up to 2 days	>12.0 mg/dL
	2 days up to 3 days	>15.0 mg/dL
	3 days up to 1 month	>17.0 mg/dL
	≥ 1 month	>20.0 mg/dL
Calcium		<6.0 mg/dL, >12.0 mg/dL
Calcium, Ionized		>1.50 mmol/L
Carbamazepine		>15.0 ug/mL
Carbon Monoxide		>15.0%
CO2		<10 meq/L, >40 meq/L
Digoxin		>2.0 ng/mL
Fibrinogen		<80 mg/dL
Gentamicin	trough	>2.0 ug/mL
	peak	>12.0 ug/mL
Glucose	< 4 hrs. old	<40 mg/dL
	>4 hrs. old to 30 days	<46, >400 mg/dL
	≥ 30 days	<50 mg/dL >400 mg/dL
Hematocrit	0 up to 31 days	<21.1%, >69.9%
	≥ 31 days	<21.1%, >59.9%
Hemoglobin	0 up to 31 days	<7.1 g/dL, >23.9 g/dL
	≥ 31 days	<7.1 g/dL, >19.9 g/dL
HIV		New positive results
INR		>5.0

Lithium		>1.3 meq/L
Magnesium Magnesium, Therapeutic		<1.0 mg/dL, >4.9 mg/dL <1.0 mg/dL or >8.4 mg/dL
Phenobarbital		>50.0 ug/mL
Phenytoin		>30.0 ug/ml
Phosphorus		<1.0 mg/dL, >8.0 mg/dL
Platelets		<30 K/uL

Note: This Form is associated with the following document: **Critical Lab Results Notification Policy (held under Bozeman Health Facility Document Control)** Page 1 of 2

FILE NAME: GENLAB.RESULTS.Critical Lab Results Notification Test List.v.2 REVISION ORIGINATION DATE: 04-10-2019 NOTE: This is a CONTROLLED document.

 <b>BOZEMAN HEALTH</b>	<b>BOZEMAN HEALTH LABORATORY AND PATHOLOGY SERVICES</b>
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## Critical Lab Results Notification Test List, Continued

Test Name	Parameters	Critical Values
Potassium		<3.0 meq/L, >6.5 meq/L
PTT		>100 seconds
Salicylate		>30.0 mg/dL
Sodium		<120 meq/L, >155 meq/L
Troponin T		>100 ng/L
Valproic Acid		>120 ug/mL
Vancomycin	trough	>20.0 ug/mL
	peak	>40.0 ug/mL
White blood count	0 up to 8 days	<2.1 or >38.0 K/uL, OB:<2.1 or >33.9 K/uL
	8 days up to 12 months	<2.1 or >30.0 K/uL, OB:<2.1 or >29.9 K/uL
	≥ 12 months	>29.9 K/uL

Additional Critical Values	
<b>MICROBIOLOGY</b>	
Blood Cultures	Positive
CSF	Positive gram stain and/or culture
Malaria Smear/blood film for parasites	Any organisms seen
Meningitis/Encephalitis Panel, NAD	Positive

Multi-drug Resistant Organisms	Vancomycin Resistant <i>S.aureus</i> , Vancomycin Intermediate <i>S.aureus</i> , Methicillin Resistant <i>S.aureus</i> , VRE, CRE, ESBL
Bordetella pertussis	Detected
Sterile body Fluids	Positive gram stain and/or culture
Systemic Fungal Culture	Positive
TB cultures	Positive smear or Culture
<b>BLOOD BANK</b>	
Cross match	Inability to provide cross match compatible blood
Transfusion reaction	Any evidence of a hemolytic transfusion reaction
<b>OTHER</b>	
Corrected Lab Results	Any corrected lab result

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