

Critical Results:

Critical test results are reported to a licensed caregiver within 30 minutes.

Test	Units	Critical Value(s)	Age	Sex
Acetaminophen Blood	ug/mL	>=40.0	Unspecified	Unspecified
Activated Partial Thromboplastin Time	Seconds	>= 150.0	Unspecified	Unspecified
Base Excess Arterial Cord	mmol/L	<-10.0	Unspecified	Unspecified
Base Excess Capillary	mmol/L	<-6.0	Unspecified	Unspecified
Base Excess Venous Cord	mmol/L	<-10.0	Unspecified	Unspecified
Bicarbonate Arterial	mmol/L	<=12 or >=40	Unspecified	Unspecified
Bicarbonate Capillary	mmol/L	<=15.0 or >=35.0	Unspecified	Unspecified
Bilirubin Total Cord Blood	mg/dL	>4.0	Unspecified	Unspecified
Bilirubin Total Neonatal	mg/dL	>14.9	< 1 Y	Unspecified
Calcium, ionized		<1 and > 1.60	< 18Y	Unspecified
Calcium Serum/Plasma	mg/dL	<6.0 or >12.0	Unspecified	Unspecified
Carbon Dioxide CO ₂	mmol/L	<=9 or >=40	Unspecified	Unspecified
Carbon Monoxide	%	>20.0	Unspecified	Unspecified
Carboxyhemoglobin	%	>20.0	Unspecified	Unspecified
Digoxin	ng/mL	>=3.0	Unspecified	Unspecified
Ethanol Blood	mg/dL	>=400 >10	Unspecified < 18Y	Unspecified
Fibrinogen	mg/dL	<100	Unspecified	Unspecified
Gentamicin Peak Gentamicin Random	ug/mL	>=12.0	Unspecified	Unspecified
Gentamicin Trough	ug/mL	>=2.0	Unspecified	Unspecified
Glucose Serum/Plasma	mg/dL	<=40 or >=500 <40 and >300	Unspecified < 18Y	Unspecified
Hematocrit	%	<=18 or >= 70.1 <=18 or >=60.1	0D - 7M 7M - Unspecified	Unspecified
Hemoglobin	g/dL	<6 or >=23.1 <=6 or >=20.0	0D - 1M 1M - Unspecified	Unspecified
Heparin (anti-Xa activity)	U/mL	>=1.20	Unspecified	Unspecified

INR	N/A	>6.00 >4.0	Unspecified < 18Y	Unspecified
Lactate Whole Blood	mmol/L	>2.0	Unspecified	Unspecified
Lithium Serum	mmol/L	>1.5	Unspecified	Unspecified
Low Molecular Wt Heparin (anti-Xa activity)	U/mL	>1.00	Unspecified	Unspecified
Magnesium Serum/Plasma	mg/dL	<=1.2 or >=6.0	Unspecified	Unspecified
Manual Differential – Blast Cells	%	>=1	< 18Y	Unspecified
Neutrophils Absolute	10*9/L	<1.0	Unspecified	Unspecified
pCO ₂ Arterial	mmHg	<=20 or >=70	Unspecified	Unspecified
pCO ₂ Capillary	mmHg	<30 or >65	Unspecified	Unspecified
pH Arterial	N/A	<=7.200 or >=7.600	Unspecified	Unspecified
pH Arterial Cord	N/A	<7.000	Unspecified	Unspecified
pH Capillary	N/A	<7.200 or >7.550	Unspecified	Unspecified
pH Venous	N/A	<7.100 or >7.589	Unspecified	Unspecified
pH Venous Cord	N/A	<7.000	Unspecified	Unspecified
Phenytoin Total	ug/mL	>=30.0	Unspecified	Unspecified
Phosphorus Serum/Plasma	mg/dL	<=1.0	Unspecified	Unspecified
Platelet Count	10*9/L	<25 or >1000	Unspecified	Unspecified
pO ₂ Arterial	mmHg	<=39	Unspecified	Unspecified
pO ₂ Capillary	mmHg	<35 or >100	Unspecified	Unspecified
Potassium Serum/Plasma	mmol/L	<=2.5 or >=6.4	Unspecified	Unspecified
aPTT, Activated Partial Thromboplastin Time	Seconds	>60.0	< 18Y	Unspecified
Salicylate Blood	mg/dL	>=40.0	Unspecified	Unspecified
Sodium Serum/Plasma	mmol/L	<=120 or >=160	Unspecified	Unspecified
tCO ₂ Arterial	mmol/L	<=12 or >=40	Unspecified	Unspecified
Triglycerides	mg/dL	>=1500	Unspecified	Unspecified
Vancomycin Peak Vancomycin Random	ug/mL	>=80.0	Unspecified	Unspecified
Vancomycin Trough	ug/mL	>=35.0	Unspecified	Unspecified
White Blood Cell Count	10*9/L	<1.5 or >70.0	Unspecified	Unspecified



Critical Results	Healthcare Provider	Infection Prevention	Micro Leadership	CDPHE	Other
AFB Positive culture from CSF	X	X	X		
Blood culture Gram stain positive on first bottle for each morphology identified Subsequent positive bottle(s) with the same organism(s) drawn on the same day do not require provider notification	X				
Blood Culture Gram stain positive for GNDC (suggestive of Neisseria meningitidis)	X	X	X		
CSF Gram stain or culture positive for any organism	X				
CSF Gram stain positive for GNDC (suggestive of Neisseria meningitidis)	X	X	X		
Eye Gram stain or culture positive for GNR or mold/mycotic elements HSV positive molecular test	X				
Sterile body fluids Gram stain positive from the following sources: amniotic eye vitreous peritoneal or ascites pericardial pleural synovial	X				
Sterile tissues Gram stain positive from the following sources: brain eye heart spinal cord	X				

epidural					
Blood products associated with transfusion Gram stain or culture positive					*
*Call blood bank medical director, pathologist on-call, or designee for positive gram stain or culture					

Organism/Test	Healthcare Provider	Infection Prevention	Micro Leadership	CDPHE	Other
Acid Fast Bacillus Positive direct smear and cultures	X				
AFB – <i>Mycobacterium tuberculosis</i> or <i>M. tuberculosis</i> complex, 1 st occurrence <ul style="list-style-type: none"> • Positive PCR (Mtb-Rif) • Identification of <i>M. tuberculosis</i> from culture 	X	X	X		
Biothreat/Bioterrorism Agents (identification of or unable to rule out) <ul style="list-style-type: none"> • Bacillus anthracis • Brucella species • Burkholderia mallei • Burkholderia pseudomallei • Francisella tularensis • Yersinia pestis 	X	X	X	X	Submit organism
Bordetella pertussis Positive inpatients Amplivue or BioFire Respiratory PCR panel	X	X			
Body fluids positive for bacterial or fungal growth <i>unless positive direct gram stain previously called</i> amniotic eye vitreous peritoneal or ascites pericardial pleural synovial	X				
Sterile tissues positive for bacterial or fungal growth <i>unless positive direct gram stain previously called:</i>	X				

brain eye heart spinal cord epidural					
Candida auris or Candida haemulonii Identified or suspected		X	X	Submit organism	
DNA probes positive for: • Coccidioides immitis • Blastomyces dermatitidis • Histoplasma capsulatum	X		X		
<i>Haemophilus influenzae</i> From sterile sites including blood cultures		X		Submit organism	
Mucorales Positive cultures from sinus, orbit of eye, brain or CSF	X				
<i>Neisseria meningitidis</i> From sterile sites including blood cultures	X	X	X	Submit organism	
Resistant Organisms positive cultures on inpatients once per admission per organism MDRO (multi-drug resistant organisms) CRE (Carbapenem Resistant Enterobacteraceae) ESBL (Extended Spectrum Beta Lactamase) MRSA (Methicillin Resistant <i>Staph aureus</i>) VISA (Vancomycin Intermediate <i>Staph aureus</i>) VRE (Vancomycin Resistant Enterococcus) VIE (Vancomycin Intermediate Enterococcus)	X				
Staph aureus in Blood Cultures New positive Staph aureus or MRSA in blood cultures		X			

<i>Salmonella typhi</i> in blood or stool	X	X		Submit organism	
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