

Sarah Bush Lincoln Laboratory Critical Values/ Result List

PURPOSE

The purpose of this list is to identify the laboratory tests and their respective critical high and critical low values/results. This list pertains to testing that is performed in Sarah Bush Lincoln Laboratory.

DEFINITION

A Critical Value / Critical Result is defined as:

A value/result that represents a pathophysiological state at such variance with normal (expected values) as to be life-threatening unless something is done promptly and for which some corrective action could be taken.

NOTE:

The critical values identified on this list will be communicated to clients in accordance with notification standards.

Blood Gas Critical Values

Assay Description		Critical Low	Critical High
Carbon Monoxide			>10
Methemoglobin Arterial			>2.9
Methemoglobin Venous			>2.9
Partial Pressure CO2 Arterial			>60
Partial Pressure CO2 Capillary			>60
Partial Pressure CO2 Venous			>70
Partial Pressure O2 Arterial		<60	
Partial Pressure O2 Capillary		<35	
pH Arterial		<7.20	>7.6
pH Arterial Cord		<7.15	
pH Capillary		<7.20	>7.6
pH Cord Ven		<7.15	
pH Venous		<7.15	
Potassium (Whole Blood)		<3	>6.4

SBL Laboratory Services

Sarah Bush Lincoln Laboratory
1000 Health Center Drive • Mattoon, IL 61938
1-800-573-1940

SBL Effingham Laboratory
905 North Maple • Effingham, IL 62401
1-877-796-LABS (5227)

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Laboratory Critical Values

Assay Description	Age From	Age To	Critical Low	Critical High
Anion Gap				>20
Bilirubin				>15
Calcium Level			<6	>12
Carbon Dioxide			<10	
Digoxin Level				>2
Glucose Level			<50	>450
Lithium Level				>1.5
Magnesium Level			<1	>5
Potassium Level	0 Months	3 Months	<3	>6.4
Potassium Level	3 Months	150 Years	<2.5	>6
Sodium Level			<120	>160
hs-cTroponin-I (MALE)				>99
hs-cTroponin-I (FEMALE)				>75
INR				>6
D-Dimer (Quant)				>1.06
Heparin, Xa, LMWH				>1.99
Heparin, Xa, Unfractionated				>1.99
Partial Thromboplastin Time				>150
Prothrombin Time				>70.9
Blast % Manual				>5
Hemoglobin	0 Minutes	1 Months	<8	>24
Hemoglobin	1 Months	150 Years	<7	>20
Oncology Platelets			<20	>1000
Platelets			<50	>1000
Vancomycin Random (Outpatient)				>25
Vancomycin Trough (Outpatient)				>30
Blood Cultures	Any positive bacterial growth			
Meningitis PCR Panel	Detected Organism			
Urinalysis	Strongly-positive tests for glucose & ketones in all ages and previously-undiagnosed adults.			

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