

# 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 Arterial Cord		
Partial Pressure CO2 Capillary		>60
Partial Pressure CO2 Cord Ven		
Partial Pressure CO2 Venous		>70
Partial Pressure O2 Arterial	<60	
Partial Pressure O2 Capillary	<60	
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) ABL90	<3	>6.4

## SBL Laboratory Services

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## Laboratory Critical Values

Assay Description	Age From	Age To	Critical Low	Critical High
Anion Gap				>20
Bilirubin Total				>15
Calcium Level			<6	>12
Carbon Dioxide			<10	
Creatinine Level				>25
Digoxin Level				>2
Glucose Level			<60	>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
Troponin-I				>0.099
AMS INR				>6
AMS PT				>70.9
D-Dimer (Quant)				>1.06
Heparin, Anti Xa, LMWH				>1.99
Heparin, Anti Xa, Unfractionated				>1.99
Heparin_Anti Xa_LMWH Calc				>1.99
International Normalization Ratio				>6
LMWH Non_reportable				>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

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