



# LAB ALERT

## SOUTH BEND MEDICAL FOUNDATION

### Announcing Revised Critical/Alert Value Protocol

South Bend Medical Foundation has completed a patient safety initiative and revised its protocols for the notification of critical/alert results.

Using peer comparison and medical staff guidance, the objective of the initiative was improving the communication of critical/alert laboratory test values in a timely and reliable way to the provider who can take action.

**Effective May 1, 2018**, South Bend Medical Foundation will implement a new two-tiered approach to reporting critical/alert values for known Outpatients.

**Priority 1:** Markedly abnormal results possibly indicative of a dangerous situation for the patient or of a need for immediate intervention. Notification to physician/provider will occur when results are verified for release at any time during the day, any day of the week.

Results issued with a footnote identifying the sample as sub-optimal will not be considered a Priority 1 result.

**Priority 2:** Abnormal results that are significant but not life threatening and should be called as soon as possible during hours when physician/provider and patient contact options are less limited. Notification to physician/provider will occur as soon as possible following 0800, Sunday through Saturday.

Outpatients with repetitive critical WBC and Platelet counts within the last 30 days fall in this category.

Note that critical/alert values obtained on samples received from Hospitals will continue to be reported back to the Hospital Laboratory upon result verification for follow-up with the physician/provider.

**Please refer to the table on the following pages for a complete listing and breakdown of the Priority 1 and Priority 2 values.**

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530 North Lafayette Boulevard • South Bend, Indiana 46601

Joyce L. Simpson, M.D. • *Medical Director*



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		Called Immediately 24/7		When patient is outpatient status: Called Sun thru Sat, 8:00 AM – 7:00 PM		Units
Analyte	Conditions	Priority 1 Low Value ≤	Priority 1 High Value ≥	Priority 2 Low Value ≤	Priority 2 High Value ≥	
Acetaminophen			201			mcg/mL
Acetone	Toxicology		30			mg/dL
Aluminum			101			mcg/L
Amikacin			35.1			mcg/mL
Amikacin, Pre-Dose(Trough)			10.1			
Amiodarone			3.6			mcg/mL
Ammonia			70			μmol/L
Arsenic			501			mcg/L
Bilirubin, Total					16.1	mg/dL
Blood Culture		Presence of any organisms	Presence of MRSA / VRE or Presence of <i>Neisseria meningitidis</i>			
BUN (Urea Nitrogen)					100	mg/dL
BUN (Urea Nitrogen)	Renal				120	mg/dL
BUN/CREAT Ratio					200.0	ratio
Cadmium			50.1			μg/L
Caffeine (Neonate)			40.0			mcg/mL
Calcium	Note I	6.5	13.1			mg/dL
Calcium, Ionized		0.77	1.59			mmol/L
Calcium/Phosphorus Ratio		6.5	13.1			Ratio
Calcium/Phosphorus Ratio, Corrected		6.5	13.1			Ratio
Carbamazepine			15.1			mcg/mL
Carbon Dioxide, Total		14	41			mEq/L
Carbon Monoxide			20			%
Cerebrospinal Fluid White Blood Cell Count			9			/mm <sup>3</sup>
Cerebrospinal Fluid Culture		Growth of any organisms	Presence of MRSA / VRE or Presence of <i>Neisseria meningitidis</i>			
Cerebrospinal Fluid Gram Stain		Presence of any organisms				
Cerebrospinal Fluid Protein			61			mg/dL
Cerebrospinal Fluid Antigen Tests		Any positive results				
Chloride		74	127			mEq/L
Cortisol				3.0		mcg/dL

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Creatine Kinase (CK)			5000			IU/L
Creatinine					5.0	mg/dL
Creatinine	Renal				10.1	mg/dL
Cyclosporine	Toxicology		700			ng/mL
Digoxin			2.6			ng/mL
Dilantin	Age 0–2 years				25.1	mcg/mL
Dilantin					30.1	mcg/mL
Dilantin, free					3.0	mcg/mL
Ethanol, serum			300			mg/dL
Ethanol, Urine			450			mg/dL
Ethylene Glycol			5.0			mg/dL
Feces Fat			50			%
Fibrinogen		50				mg/dL
Fibrinogen-TPA	SJRM	150				mg/dL
Gentamicin					12.1	mcg/mL
Gentamicin, PreDose (Trough)					2.1	
Glucose		55	401			mg/dL
Glucose	Age 0–1 day	29	201			mg/dL
Glucose	Age 1–28 days	39	201			mg/dL
Hematocrit		21.0	60.0			%
Hemoglobin		7.0	20.0			g/dL
Hemoglobin	Age 0–13 days	10.0				g/dL
Hemoglobin	Renal	6.0				g/dL
Hemoglobin, % Reduced		80	200			%
HEP-PF4			0.40			O.D.
Herpes Culture	Neonate	Any positive result				
IgG		100				mg/dL
Isopropanol			40			mg/dL
Ketones, Urine	Age 0–2 years	Any positive result			Ketones, Urine	Age 0–2 years
KTV Result		0.69	1.31			
Lactate			4.0			mmol/L
Lamotrigine			20.1			mcg/mL
Lead					20	Mcg/dL
Legionella Antigen, Urine					3.0	Index
Lithium			1.60			mEq/L
Magnesium (mg/dL)		1.0	5.0			mg/dL
Magnesium, Obstetric		1.2 mg/dL or 1.0 mEq/L	9.1 mg/dL or 7.6 mEq/L			mg/dL or mEq/L
Malaria		Any malaria parasites found	Malaria species identification			
Mercury			51			mcg/L

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Methanol			5			mg/dL
Methemoglobin			10.1			%
Osmolality (serum)		219	340			mOs/Kg
Partial Thromboplastin Time			90.0			sec
Partial Thromboplastin Time (1:1 mix incubated)			100.0			sec
pCO <sub>2</sub>		19	71			mmHg
Pentobarbital					12.0	mcg/mL
Peritoneal Dialysis Fluid Culture		Presence of any organisms	Presence of MRSA or VRE			
pH		7.19	7.61			
Phenobarbital					60.1	mcg/mL
Phosphorus		1.5				mg/dL
Phosphorus, urine (24 hrs)			25.0			g/24 h
Platelet Count		30	1000			x10(9)/L
Platelet Count	Oncology	10	1000			x10(9)/L
PO <sub>2</sub> , Arterial		44				Mm Hg
PO <sub>2</sub> , Capillary		39				Mm Hg
Potassium Note: If sample is hemolyzed or if the time to separation has been delayed, the result is no longer meaningful and will not be considered a Priority 1 result		2.8	6.1			mEq/L
Potassium Note: If sample is hemolyzed or if the time to separation has been delayed, the result is no longer meaningful and will not be considered a Priority 1 result	Renal		6.5			mEq/L
Primidone					12.1	mcg/mL
Prothrombin Time			50.0			sec
Prothrombin Time INR			5.0			
Prothrombin Time INR	I-STAT		5.0			
Ristocetin Cofactor Assay				30	500	%
Salicylate			36			mg/dL

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Sirolimus					20.0	ng/mL
Sodium		124	161			mEq/L
Tacrolimus					25.1	ng/mL
Theophylline	Age 0–4 week		15.1			mcg/mL
Theophylline			25.1			mcg/mL
Tobramycin			12.1			mcg/mL
Tobramycin, pre dose (Trough)			2.5			mcg/mL
Triglycerides, Neonatal			1500			mg/dL
Valproic Acid					175.1	mcg/mL
Vancomycin			80.1			mcg/mL
Von Willebrand Antigen				10		%
White Blood Cell Count (WBC)	See Exceptions	2.50	30.00			x10(9)/L
White Blood Cell Count (WBC)	Age 0–1 week	4.00	50.00			x10(9)/L
White Blood Cell Count (WBC)	Oncology	1.00	30.00 unexplained			x10(9)/L

[TMF online Test Directory](#)

**Questions:** Please contact **CLIENT SERVICES 800-950-7263**

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