



# WESTPAC LABS

A Sonic Healthcare Company

## CRITICAL AND ALERT VALUE LIST

Department	Analyte	Units	Critical Limits	Alert Limit
Hematology	Blast %	%	>10%	
Hematology	CSF Cell Count	pmns	>5	
Hematology	HCT (<1m)	%	<21.0 or >81.0	<24.0 or >75.0
Hematology	HCT (>1m)	%	<21.0 or >63.0	<24.0 or >60.0
Hematology	HGB (<1m)	g/dL	<7.0 or >27.0	<8.0 or >25.0
Hematology	HGB (>1m)	g/dL	<7.0 or >21.0	<8.0 or >20.0
Hematology	INR	ratio	>5.0	
Hematology	Platelets	k/uL	<10 or >1500	<50 or >850
Hematology	PTT	seconds	>60.0	
Hematology	WBC (<1m)	k/uL	>40.0	<2.0
Hematology	WBC (>1m)	k/uL	>40.0	<2.0
Chemistry	Albumin (<18y)	g/dL		<1.7 or >6.8
Chemistry	ALT	U/L		>500
Chemistry	Amylase	U/L		>700
Chemistry	AST	U/L		>500
Chemistry	BUN	mg/dL		>80
Chemistry	Calcium	mg/dL	<6.6 or >13.0	
Chemistry	Chloride	meq/L		<80 or >120
Chemistry	CK-MB	ng/mL	F >4.31; M >7.71	
Chemistry	CO2	mEq/L		<10 or >40
Chemistry	CPK	U/L		>600
Chemistry	Creatinine	mg/dL		>5.0
Chemistry	Glucose Fasting	mg/mL	<45 or >400	
Chemistry	Glucose Random	mg/mL	<45 or >500	>400
Chemistry	Iron	ug/dL		>350
Chemistry	Magnesium	mg/dL		<1.2 or >5.0
Chemistry	pO2	mmhg	<40	
Chemistry	pCO2	mmhg	<20 or >70	
Chemistry	pH	units	<7.20 or >7.60	
Chemistry	Phosphorus	mg/dL		<1.0 or >9.0
Chemistry	Potassium	mEq/L	<3.0 or >6.1	
Chemistry	Sodium	mEq/L	<120 or >155	
Chemistry	Total bilirubin (<1m)	mg/dL		>18.0
Chemistry	Total protein	g/dL		<3.2 or >9.5
Chemistry	Troponin I	ng/mL	>0.2	
Chemistry	Troponin T	ug/mL	>0.01	
Chemistry	TSH (<18y)	mIU/L		>40
Chemistry	Uric Acid	mg/dL		>13.0
Toxicology/TDM	Carbamazepine (Tegretol)	ug/mL		>20.0
Toxicology/TDM	Digoxin	ng/mL		>2.5
Toxicology/TDM	Lithium	meq/L		>1.5
Toxicology/TDM	Phenobarbital	ug/mL		>60.0
Toxicology/TDM	Phenytoin	ug/mL		> 20
Toxicology/TDM	Theophylline	ug/mL		>20
Toxicology/TDM	Valproic Acid	ugm/mL		>200
Toxicology/TDM	Vancomycin	ugm/mL		Trough >20; Peak >44.0

<u>Department</u>	<u>Analyte</u>	<u>Units</u>	<u>Critical Limits</u>	<u>Alert Limit</u>
Microbiology	Ascites Gram Stain or Culture			Positive
Microbiology	Blood Culture		Positive	
Microbiology	C.Difficile			Positive
Microbiology	Clinically Significant Fungi: Zygomycetes, Coccidioides, Histoplasma, Blastomyces, Cryptococcus, Pneumocystis			Positive
Microbiology	Clostridium in Wounds			Positive
Microbiology	CRE: E.Coli, K.pneumoniae, K.oxytoca			Positive
Microbiology	CSF Gram Stain or Culture		Positive	
Microbiology	ESBL: E.Coli, K.pneumoniae, K.oxytoca			Positive
Microbiology	MRSA			Positive
Microbiology	Multi-Drug Resistant: Pseudomonas aeruginosa, Acinetobacter spp.			Positive
Microbiology	<i>Mycobacterium species (any type)</i>			Positive
Microbiology	Neiseria gonorrhoeae (GC) ( <i>any detection method</i> )			Positive
Microbiology	Ocular and Bone Marrow Cultures or Gram stain			Positive
Microbiology	Pleural Fluid Culture or Gram Stain			Positive
Microbiology	Rapid Influenza A/B assays			Positive
Microbiology	RSV			Positive
Microbiology	Stool Culture			Positive
Microbiology	Synovial Fluid Culture or Gram stain			Positive
Microbiology	Vancomycin Resistant: Enterococcus faecalis, Enterococcus faecium ( <i>excluding Resp Sources: Sputum, Nasal, Throat</i> )			Positive