



Critical and Alert Value List

Department	Analyte	Units	Critical Limits	Alert Limits
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

Department	Analyte	Units	Critical Limits	Alert Limits
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
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	Mycobacterium species (any type)			Positive
Microbiology	Neiseria gonorrhoeae (GC) (any detection method)			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 (excluding Resp Sources: Sputum, Nasal, Throat)			Positive

Santa Fe Springs
Laboratory Director:

Date: 7/26/19

Signature
Ronald Rocha M.D.

San Luis Obispo
Laboratory Director:

Date: 7.29.19

Signature
Brandie Firetag. M.D.

Bakersfield
Laboratory Director:

Date: 7/26/2019

Signature
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