



Psychiatric Health Facility Critical Laboratory Values Grid

Approved by the PHF Medical Practice Committee October 26th, 2016

Name of Test	<i>Less Than</i>	<i>Greater Than</i>
Acetaminophen		50 mg/L
Bicarbonate CO₂	10 MEQ/L	40 mEq/L
Bicarbonate (<1 month) CO₂	15 MEQ/L	40 mEq/L
Bilirubin, Total (<1 month) NBIL		16 mg/dl
Calcium	6.0 mg/dl	13.5 mg/dl
Carbamazepine		15 mg/L
Clostridium difficile toxin		positive
Cryptococcal Antigen		positive
Digoxin		2.1 mcg/L
Fibrinogen	50 mg/dl	
Gentamicin Peak		12 mg/L
Gentamicin Peak (< 1 month)		15 mg/L
Gentamicin Trough		2 mg/L
Glucose (Adult)	60 mg/dl	300 mg/dl
Glucose (Newborn)	40 mg/dl	200 mg/dl
Glucose (Urine)		Greater than or equal to 500 mg/dl
Hematocrit	20%	60%
Hematocrit (<1 month)		70%
Hemoglobin	7.0 g/dl	
Heparin Induced Antibody		OD greater than or equal to 0.400
Ketones (Urine) (<1 year)		positive
Lithium		1.5 mmol/L
Magnesium	1.0 mg/dl	4.8 mg/dl
Magnesium (LDR Mag Sulf.Pts)		9.6 mg/dl
Partial Thromboplastin Time PTTR (ratio)		PTTR greater than or equal to 3.0
Phenobarbital		50 mg/L
Phenytoin		20 mg/L
Phosphorus	1.2 mg/dl	
Platelet Count	30,000/ul or greater than 50% drop	1,000,000/ul
Potassium K	3.0 mEq/L	6.0 mEq/L
Potassium (<1 month)	2.5 mEq/L	7.0 mEq/L
Prograf (Tacrolimus)		20 ng/ml
Prothrombin Time PTINR		INR greater than or equal to 4.0
Reducing Subst (Urine) (<1 yr)		positive
Salicylate		30 mg/dl
Sodium NA	125 MEQ/L	155 MEQ/L
Tobramycin Peak		12 mg/L
Tobramycin Peak (< 1 month)		15 mg/L
Tobramycin Trough		2 mg/L
Uric Acid		12.0 mg/dl

Name of Test	Less Than	Greater Than
Valproic Acid		150 mg/L
Vancomycin Peak		40 mg/L
Vancomycin Trough		20 mg/L
WBC (CSF)		Greater than or equal to 5 WBC/HPF
WBC (including < 1 month)	2,000/ul	40,000/ul
Microbiology	Any sterile site growing any organism.	
Anatomic Pathology	All new malignant diagnoses, organisms in specimens from known immunocompromised patients, uterine contents without products of conception, and significant disagreement between final and frozen section diagnosis. These results are phoned by the pathologist to the attending physician and noted in the pathology report. While these are not necessarily a critical value or STAT, prompt communication of the results is important.	
ABG: pCO2	20 mmHg	70 mmHg
ABG: pO2	55 mmHg	
ABG: pH	7.25	7.55
ABG: SaO2	80%	
Creatinine		Greater than or equal to 4.0 mg/dl or greater than 50% increase.
Lactate		4.0 mmol/L
WBC		25,000/ul
Glucose (Adult Outpatient)		500 mg/dl
Partial Thromboplastin Time (Outpatient)		89 seconds