

LIST OF CRITICAL VALUES OF LABORATORY TESTS

Laboratory Test	Critically Low Limit	Critically High Limit
CHEMISTRY		
Amylase	None	201 U/L
Arterial pO ₂	60 mmHg	None
Arterial pCO ₂	30 mmHg	50 mmHg
Arterial pH	7.3	7.5
Bicarbonate	15 mmol/L	40 mmol/L
Bilirubin (Newborn)	None	310 mmol/L
Calcium	1.75 mmol/L	3.25 mmol/L
Calcium Ionised	0.8 mmol/L	1.6 mmol/L
Creatine Kinase	None	1001 U/L
Creatine Kinase-MB	None	6.1 ng/mL
Glucose	3.0 mmol/L	22.2 mmol/L
Glucose (Newborn)	1.7 mmol/L	11.1 mmol/L
Glucose (CSF)	2.2 mmol/L	None
Lactic Acid	None	5.1 mmol/L
Magnesium	0.40 mmol/L	2.03 mmol/L
Protein (CSF)	None	2.5 g/L
Potassium (Newborn)	2.5 mmol/L	6.5 mmol/L
Potassium	3.0 mmol/L	5.5 mmol/L
Sodium	120 mmol/L	160 mmol/L
Troponin T (hsTNT)	None	14.1 pg/mL
HAEMATOLOGY		
Fibrinogen	60 mg/dL	None
Haemoglobin (adult)	7.0 g/dL	20.0 g/dL
Haemoglobin (neonate)	6.0 g/dL	24.0 g/dL
Platelets	20 ths/uL	800 ths/uL

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Total White	1.0 ths/uL	50.0 ths/uL
Prothrombin Time	None	40.0 sec
Activated Partial Thromboplastin Time	None	90.0 sec
International Normalised Ratio (INR)	None	5.0
Malaria Parasites	Positive result	
Slide Review / Differential	Presence of blast cells on peripheral smear	
BACTERIOLOGY		
Blood Culture	Positive result	
CSF Bacterial Antigen	Positive result	
CSF Culture	Positive result	
CSF Gram Stain	Positive result	
CSF White Cell Count	None	101 cells/uL
THERAPEUTIC DRUGS		
Acetaminophen	None	201 ug/mL at 4 hours after ingestion
		51 ug/mL at 12 hours after ingestion
Amikacin	Peak	None
	Trough	None
Carbamazepine	None	21 ug/mL
Digoxin	None	2.5 ng/mL
Gentamicin	Peak	None
	Trough	None
Phenobarbital	None	40 ug/mL
Phenytoin	None	20 ug/mL
Salicylate	None	31 mg/dL

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Theophylline	None	20 ug/mL
Valproic Acid	None	100 ug/mL
Vancomycin	None	80 ug/mL