

## LIST OF CRITICAL VALUES OF LABORATORY TESTS

Laboratory Test	Critically Low Limit	Critically High Limit
<b>CHEMISTRY</b>		
Amylase	None	201 U/L
Arterial pO <sub>2</sub>	60 mmHg	None
Arterial pCO <sub>2</sub>	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
<b>HAEMATOLOGY</b>		
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	
<b>BACTERIOLOGY</b>		
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
<b>THERAPEUTIC DRUGS</b>		
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