

**Annex A: List of Critical Results (changes highlighted in bold):**

Laboratory Tests	Parkway Laboratories (Current)		Parkway Laboratories (Updated)	
	Critical Low	Critical High	Critical Low	Critical High
<b>CHEMISTRY</b>				
Potassium (Adult) (mmol/L)	≤ 3.0	≥ 5.4	≤ <b>2.5</b>	≥ <b>6.0</b>
Potassium (Newborn) (mmol/L)	≤ 2.5	≥ 6.5	≤ 2.5	≥ <b>6.0</b>
Amylase (U/L)	None	≥ 201	None	<b>None</b>
Arterial pO <sub>2</sub> (mmHg)	≤ 60	None	<b>None</b>	None
Arterial pCO <sub>2</sub> (mmHg)	≤ 30	≥ 50	<b>None</b>	<b>None</b>
Arterial pH	≤ 7.3	≥ 7.5	≤ <b>7.2</b>	≥ <b>7.6</b>
Bicarbonate (mmol/L)	≤ 15	≥ 40	≤ <b>10</b>	<b>None</b>
Bilirubin (Newborn) (μmol/L)	None	≥ 310	None	≥ <b>300</b>
Calcium (mmol/L)	≤ 1.75	≥ 3.25	≤ 1.75	≥ 3.25
Calcium Ionised (mmol/L)	≤ 0.8	≥ 1.6	≤ 0.8	≥ 1.6
Creatine Kinase (U/L)	None	≥ 1001	None	<b>None</b>

Laboratory Tests	Parkway Laboratories (Current)		Parkway Laboratories (Updated)	
	Critical Low	Critical High	Critical Low	Critical High
<b>CHEMISTRY</b>				
<b>Creatine Kinase-MB (ng/mL)</b>	None	≥ 6.1	None	<b>None</b>
<b>Glucose (mmol/L)</b>	≤ 3.0	≥ 22.2	<b>≤ 2.5</b>	<b>≥ 25</b>
<b>Glucose (Newborn) (mmol/L)</b>	≤ 1.7	≥ 11.1	<b>≤ 2.5</b>	<b>≥ 25</b>
<b>Glucose (CSF) (mmol/L)</b>	≤ 1.7	None	<b>None</b>	None
<b>Lactic Acid (mmol/L)</b>	None	≥ 5.1	None	≥ 5.1
<b>Magnesium (mmol/L)</b>	≤ 0.40	≥ 2.03	<b>None</b>	<b>None</b>
<b>Protein (CSF) (g/L)</b>	None	≥ 2.5	None	<b>None</b>
<b>Sodium (mmol/L)</b>	≤ 120	≥ 160	≤ 120	≥ 160
<b>TNT (pg/mL)</b>	None	≥ 14.1	None	≥ 14.1
<b>Troponin I (ng/L)</b>	Not applicable	Not Applicable	<b>None</b>	<b>≥ 52.4 (x2 Upper limit of Normal)</b>

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Laboratory Tests	Parkway Laboratories (Current)	Parkway Laboratories (Updated)
	Critical High	Critical High
<b>THERAPEUTIC DRUG MONITORING</b>		
<b>Acetaminophen (mg/L)</b>	≥ 201.00 at 4 hours after ingestion	<b>&gt; 200</b>
	≥ 51.00 at 12 hours after ingestion	
<b>Amikacin (mg/L)</b>		<b>&gt; 35</b>
<b>Peak</b>	≥ 36.00	
<b>Trough</b>	≥ 11.00	
<b>Carbamazepine (mg/L)</b>	≥ 21.00 mg/L	<b>None</b>
<b>Gentamicin (mg/L)</b>		<b>&gt; 15</b>
<b>Peak</b>	≥ 11.00	
<b>Trough</b>	≥ 4.00	
<b>Phenobarbital (mg/L)</b>	> 40.00	> 40.00
<b>Phenytoin (mg/L)</b>	> 20.00	> 20.00
<b>Theophylline (mg/L)</b>	> 20.00	> 20.00
<b>Valproic Acid (mg/L)</b>	> 100.00	> 100.00
<b>Vancomycin (mg/L)</b>		
<b>Peak</b>	≥ 80.00	≥ 80.00
<b>Trough</b>	≥ 80.00	≥ 80.00

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Laboratory Tests	Parkway Laboratories (Current)		Parkway Laboratories (Updated)	
	Critical Low	Critical High	Critical Low	Critical High
<b>HEMATOLOGY</b>				
<b>Fibrinogen (mg/dL)</b>	≤ 60	None	≤ 60	None
<b>Haemoglobin (Adult) (g/dL)</b>	≤ 7.0	≥ 20.0	<b>&lt; 6.0</b>	≥ 20.0
<b>Haemoglobin (Neonate) (g/dL)</b>	≤ 6.0	≥ 24.0	≤ 6.0	≥ 24.0
<b>Platelets (ths/UI)</b>	≤ 20	≥ 800	≤ 20	≥ 800
<b>WBC (ths/UI)</b>	≤ 1.0	≥ 50.0	≤ 1.0	≥ 50.0
<b>Prothrombin Time (Sec)</b>	None	≥ 40.0	None	≥ 40.0
<b>Activated Partial Thromboplastin Time (Sec)</b>	None	≥ 90.0	None	≥ 90.0
<b>International Normalised Ratio (INR)</b>	None	≥ 5.0	None	≥ 5.0
<b>Malaria Parasites</b>	Positive Result		Positive Result	
<b>Slide Review / Differential</b>	Presence of blast cells on peripheral smear		Presence of blast cells on peripheral smear	

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