

Test	CRITICAL VALUES			
	Results (Adult) (>18 years)		Results in Peds (<=18 years)	
	Low Limit (≤)	High Limit (≥)	Low Limit (≤)	High Limit (≥)
Chemistry and Immunology				
Amylase (U/L)	1000		-	
Ammonia (ummol/L)	-	-	-	100
Creatinine (ummol/L)	-	600	-	330
Corrected Calcium (mmol/L)	1.6	3	-	-
Calcium (mmol/ L)	1.6 (No haemolysis/Red cell leakage)	3	1.7	3.1
CK-MB	Any Value			
Creatinine Kinase (U/L)	-	5000	-	-
CSF Protein (g/L)			-	1.87
Glucose (mmol/L)	2.8 (No haemolysis/ Red cell leakage)	20	1.6 (CSF Sample ONLY)	-
HCO3 (mmol/L)	15		-	
Lithium (mmol/L)	-	1.5	-	-
Lactate (mmol/L)	-	5.0	-	3.0
Blood Gas - ph	7.20	7.55	-	7.60
Blood Gas - pO2 (mmHg)	59	-	44	122
Blood Gas - pCO2 (mmHg)	-	70	20	68
*K (mmol/L)	2.5	6	2.8 mmol/L	6.0 mmol/L
Magnesium (mmol/L)	0.41	2.0	0.5 mmol/L	1.8 mmol/L
*Na (mmol/L)	120	>150	125 mmol/L	155 mmol/L
*Bilirubin (µmol/L)	300		300	
*Phosphate	0.32	2.87	-	-
Troponin T / I	Positive		-	-
High Sensitive Troponin I	Positive		-	-
Pro-BNP	Positive		-	-
Digoxin (nmol/L)		3.0	-	-
Total HCG	ectopic or falling level during pregnancy			
HIV	Detected/Indeterminate		Detected/Indeterminate	
HCV	Detected / Indeterminate (If Dialysis Patient & not previously known)		Detected / Indeterminate (If Dialysis Patient & not previously known)	
HBsAg	Detected / Indeterminate (If Dialysis Patient & not previously known)		Detected / Indeterminate (If Dialysis Patient & not previously known)	
Serum Osmolality (mmol/kg)	250	350	250	310.0
Urea (mmol/l)	-	-	-	19.0
Uric Acid (umol/L)	-	-	-	500.0

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Microbiology				
Blood Culture	Gram stain and preliminary culture ID & Sensitivity			
Cerebrospinal fluid FEME & Culture	Microscopy result and preliminary culture ID & Sensitivity			
Cryptococcal or Bacterial Ag	Positive			
Sterile body fluids	Microscopy result and preliminary culture ID & Sensitivity			
Stool FEME	Parasite, ova, cyst seen			
Stool culture	Salmonella typhi, Vibrio cholerae, Shigella, Campylobacter			
Any type culture* / ALERT organism	ESBLs producer organism, MRSA, Multi-Resistant Organism (MRO), VRE, VRSA			
	Any significant pathogens isolated* (Refer to SOP)			
Legionella spp (Antigen detection)	Positive			
Stool Occult Blood	Positive			
Influenza A & B	Positive			
TB smear & culture	Positive smear result or/ and culture			
Leptospira IgM Serology	Positive			
Eye	Gram stain and preliminary culture ID & Sensitivity			
Nasal and Pernal	Corynebacterium diptheria, Bordetella pertussis			
Rotavirus antigen	Positive			
Procalcitonin	Positive			
Molecular				
Covid-19 RT PCR	Detected/Inconclusive			
Covid-19 Antigen	Positive			
Covid-19 Antibody	Detected			
Haematology				
Haemoglobin (g/dL)	6.0 (Dialysis)	19.0	8.0	19.0 (Peads 1 month - 14 years) 22.0 (Neonate 0 - 28 days)
White Blood Cell Count (10 ³ uL)	2	40	2	40.0
Platelets (10 ³ uL)	50	1000	50	1000
PT	-	2.5 x upper reference interval	-	-
INR	-	5	-	5
APTT	-	2 x upper reference interval	-	

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Fibrinogen (g/L)	1		1	-
Fibrinogen Degradation Product(D-dimer)	Positive			
Malarial Parasite	Positive			
Monospot test	Positive			
Haematological Malignancy	Undiagnosed Acute Leukaemia			
Dengue IgM/IgG	Positive			
Dengue NS1 Antigen	Positive			
G6PD	Intermediate, Deficient			
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	Anatomic Pathology			
				<i>Refer to Critical Results Notification in Anatomic Pathology GPQD/HI/SOP-48</i>