

**UNIVERSITY OF SIERRA LEONE TEACHING HOSPITAL COMPLEX
CONNAUGHT HOSPITAL LABORATORY (USLTHC-CL)**

ADDRESS: 1 PERCIVAL STREET, FREETOWN - SIERRA LEONE

Laboratory Test Menu and Established TAT

Test	Test Method	Turnaround Time
Clinical Chemistry		
Cardiac Troponin I(cTnI)	Fluorescence Immunochromatography (quantitative)	30 Mins
Creatine kinase isoenzyme MB(CK-MB)	Fluorescence Immunochromatography (quantitative)	30 Mins
Myoglobin (Myo)	Fluorescence Immunochromatography (quantitative)	30 Mins
N-Terminal brain natriuretic peptide precursor (NT-proBNP)	Fluorescence Immunochromatography (quantitative)	30 Mins
Thyroid Stimulating Hormone (TSH)	Fluorescence Immunochromatography (quantitative)	30 Mins
Triiodothyronine (TT3)	Fluorescence Immunochromatography (quantitative)	30 Mins
Thyroid Hormone (TT4)	Fluorescence Immunochromatography (quantitative)	30 Mins
Procalcitonin (PCT)	Fluorescence Immunochromatography	30 Mins

	(quantitative)	
C-Reactive protein (CRP)	Fluorescence Immunochromatography (quantitative)	30 Mins
Serum amyloid A (SAA)	Fluorescence Immunochromatography (quantitative)	30 Mins
D-dimer	Fluorescence Immunochromatography (quantitative)	30 Mins
Kidney Function Test(KFT)	Automated	1 Hour
Liver Function Test(LFT)	Automated	2 hours 30 Mins
Electrolytes	Automated	1 Hour 30 Mins
Lipid Profile	Automated	1 Hour 30 Mins
Blood Glucose test	Automated	30 Mins
Glucose Tolerance Test(GTT)	Automated	4 Hours
2 hour Post Prandial glucose	Automated	4 Hours
Glycated Hemoglobin(HbA1c)	Automated	30 Mins
Uric Acid	Automated	30 Mins
Haematology		
Full Blood Count(FBC)	Automated	30 Mins
Hemoglobin Estimation(HGB)	Cyanmethemoglobin calorimetric	10 Mins
Blood Film for Malaria Parasites(MPS)	Thick & Thin blood film	3 Hours
Erythrocyte Sedimentation Rate(ESR)	Automated	1 Hour 30 Mins
Sickling	Microscopy	1 Hour
Clotting Time	Tube	1 Hour
Bleeding Time	Duke	1 Hour
Malaria RDT	Rapid-chromatography	30 Mins
Coagulation Profile	Automated	1 hour 30 Mins

Factor VIII	Automated	1 Hour
Factor IX	Automated	1 Hour
ABO & Rh grouping	Tile	15 Mins
Microbiology		
Urinalysis	Dipstick, Wet Prep	25 Mins
Stool analysis	Wet Prep	30 Mins
Skin Snip	Wet Prep	60 Mins
Skin Scrapping	Wet Prep	60 Mins
Routine Semen Analysis	Volume, PH, Spermatozoa motility, Morphology	2 hours
Blood Culture and Sensitivity	Gram stain, Culture & sensitivity, Automated	5 Days
CSF Culture and Sensitivity	Wet Prep, Gram stain, ZN, disc diffusion	4 Days
Urine Culture and Sensitivity	Dipstick, Wet Prep, Gram stain, disc diffusion	4 Days
Stool Culture and Sensitivity	Wet Prep, Gram stain, disc diffusion	4 Days
Swabs for Culture and Sensitivity (Wound swab, Ear swab, Throat swab, Nasal swab, Eye swab)	Wet Prep, Gram stain, disc diffusion	4 Days
Effusions for Culture and Sensitivity (Pleural Fluid, Synovial fluid, Ascitic fluid)	Wet Prep, Gram stain, disc diffusion, ZN	4 Days
Serology		
Urine HCG	Rapid-chromatography	30 Mins
Faecal Ocult Blood	Rapid-chromatography	30 Mins

HBsAg	Rapid-chromatography	30 Mins
HBV Profile	Rapid-chromatography	30 Mins
HCV	Rapid-chromatography	30 Mins
H. Pylori	Rapid-chromatography	30 Mins
C-Reactive Protein	Latex agglutination	45 Mins
TPHA	Rapid-chromatography	30 Mins
Rheumatoid Factor	Rapid-chromatography & Latex agglutination	30 Mins
Widal	Rapid-chromatography & Latex agglutination	30 Mins
Histopathology		
Histology	Hematoxylin and Eosin staining/Special staining	4 Weeks
Cytology	Giemsa staining	72 hours