



YRG CARE Infectious Diseases Laboratory

<p>CLINICAL BIOCHEMISTRY</p> <ul style="list-style-type: none"> ▪ Random Blood Glucose ▪ Fasting Blood Glucose ▪ Post-Prandial Blood Glucose -2hrs ▪ GTT ▪ Renal Function Test (RFT) <ul style="list-style-type: none"> • Blood Urea • Creatinine ▪ Liver Function Test (LFT) <ul style="list-style-type: none"> • Bilirubin (Total, Direct & Indirect) • SGOT (AST) • SGPT (ALT) • Gamma GT • Alkaline phosphatase • Total Protein • Albumin • Globulin ▪ Lipid Profile (LDL measured) ▪ Lipid Profile (LDL calculated) ▪ Cholesterol ▪ Triglycerides ▪ Cardiac Profile (CPK, LDH, SGOT & CK-MB) ▪ CPK ▪ LDH ▪ Serum Electrolytes (Na⁺, K⁺, HCO₃⁻ & Cl⁻) ▪ Uric acid ▪ Calcium ▪ Phosphorous ▪ Serum Amylase ▪ Serum Lipase ▪ Lactate ▪ Protein Profile 	<p>MMUNO-HEMATOLOGY</p> <ul style="list-style-type: none"> ▪ CD4 / CD8 Count (FACSCount) ▪ CD4 Count & CD4 % (PLG) <p>HEMATOLOGY</p> <ul style="list-style-type: none"> ▪ Complete Blood Count (CBC) (ESR not included) ▪ Hemoglobin (HGB) ▪ Erythrocyte Sedimentation Rate (ESR) ▪ WBC Differential count ▪ Blood Grouping / Typing ▪ BT & CT ▪ Reticulocyte Count ▪ Eosinophil Count <p>CLINICAL PATHOLOGY</p> <ul style="list-style-type: none"> ▪ Urine Complete Analysis ▪ Stool Analysis (Occult Blood & Wet mount) ▪ CSF Analysis ▪ Pregnancy Test (Rapid) ▪ Ascitic Fluid Analysis ▪ Occult Blood (Stool) ▪ Pap Smear (Liquid based Cytology) <p>SEROLOGY</p> <ul style="list-style-type: none"> ▪ HIV Antibody [HIV 1 & 2] (Rapid) ▪ HIV-1 Western Blot ▪ <i>HBsAg</i> ELISA ▪ <i>Anti</i> -HCV ELISA ▪ <i>Toxoplasma</i> IgM & IgG Ab (Rapid -Immunochromatography) ▪ <i>Cryptococcus</i> Ag (Rapid - Immunochromatography) ▪ <i>RPR</i> ▪ RPR with Titre ▪ TPHA ▪ Widal Test 	<p>MOLECULAR BIOLOGY</p> <ul style="list-style-type: none"> ▪ HIV-1 Plasma viral load (ABBOTT Real Time PCR) ▪ HCV Plasma viral load (ABBOTT Real Time PCR) ▪ CT/NG PCR (ABBOTT Real Time PCR) ▪ HBV Plasma viral load (ABBOTT Real Time PCR) ▪ HIV-1 Drug Resistance Test –RT Drugs (Genotyping) ▪ HIV-1 Drug Resistance Test - PI Drugs (Genotyping) ▪ HCV Genotyping ▪ HBV Genotyping <p>MICROBIOLOGY</p> <ul style="list-style-type: none"> ▪ Gram Staining ▪ AFB Staining ▪ Staining for <i>Cryptosporidium</i> ▪ Negative Staining for <i>Cryptococcus</i> ▪ Wet Mount (KOH) for Fungus ▪ Wet Mount for Parasites ▪ Bacterial Culture & Sensitivity ▪ Blood Culture & Sensitivity ▪ AFB Culture ▪ AFB Culture & Sensitivity ▪ Culture for Fungus ▪ TB PCR (GeneXpert MTB/RIF) ▪ HIV-1 Plasma viral load (GeneXpert) <p>ART MONITORING PACKAGE</p> <ul style="list-style-type: none"> ▪ ART 01 HGB, Platelets, TC, TLC, CD4 Count & CD4% (PLG), Bilirubin & SGPT. ▪ ART 03 HGB, Platelets, TC, TLC, CD4 Count & CD4% (PLG), Bilirubin, SGPT & Creatinine.
---	---	--