

BIOCHEMISTRY

► LIVER FUNCTION TEST

- ✓ Serum Glutamic Oxaloacetic Transaminase (SGOT/AST)
- ✓ Serum Glutamic Pyruvic Transaminase (SGPT/ALT)
- ✓ ALKALINE PHOSPHATASE (ALP)
- ✓ TOTAL BILIRUBIN
- ✓ DIRECT BILIRUBIN
- ✓ TOTAL PROTEIN
- ✓ ALBUMIN
- ✓ HEPATIC FIBROSIS(HA, PIIIP N-P, C IV , Laminin ,Cholyglycine)

► RENEL FUNCTION TEST

- ✓ CREATENINE
- ✓ UREA BUN
- ✓ URIC ACID

► LIPID PROFILE

- ✓ CHOLESTROL
- ✓ TRIGLYCRIDE
- ✓ HIGHT DENSITY LIPOPROTIEN (HDL)
- ✓ LOW DENSITY LIPOPROTIEN(LDL)

► ELECTROLYTES

- ✓ SODIUM (Na)
- ✓ POTASSIUM (K)
- ✓ CALCIUM (Ca)
- ✓ MAGNISIUUM (Mg)
- ✓ URIC ACID (UA)

► ELECTROLYTES

- ✓ LIPASE
- ✓ AMYLASE

► CARDIEC MARKERS

- ✓ VITAMINE D
- ✓ CALCITONINE
- ✓ Osteocalcin
- ✓ Intact PTH
- ✓ β CrossLaps (β CTx)
- ✓ total P1NP

► CARDIEC MARKERS

- ✓ CK-MB
- ✓ Troponin I
- ✓ Myoglobin
- ✓ hs-cTnl
- ✓ H-FABP
- ✓ NT-proBNP
- ✓ BNP
- ✓ Aldosterone
- ✓ Angiotensin I
- ✓ Angiotensin II
- ✓ Direct Renin
- ✓ D-Dimer
- ✓ Lp-PLA2
- ✓ hs-CRP
- ✓ MPO

► BIOMARKERS OF GLUCOSE

- ✓ RAPID BLOOD GLUCOSE
 - RANDOM BLOOD SUGER
 - FASTING BLOOD SUGAR
- ✓ SERUM GLUCOSE
 - RANDOM BLOOD SUGAR
 - FASTING BLOOD SUGAR
- ✓ GLYCATED HEMOGLOBIN (HBA1C)

► CARDIEC MARKERS

- ✓ C-Peptide
- ✓ Insulin
- ✓ ICA
- ✓ IAA (Anti Insulin)
- ✓ Proinsulin
- ✓ GAD 65
- ✓ Anti-IA2

► DRUG MONITORING

- ✓ Digoxin
- ✓ CSA (Cyclosporine A)
- ✓ FK 506 (Tacrolimus)



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Borama Somaliland

HEMATOLOGY

▶ FIVE DIFFERENTIAL PART

CBC +RETICS COUNT

▶ THREE DIFFERENTIAL PART CBC

▶ ABO BLOOD GROUP

▶ ANEMIE MARKERS

- ✓ VIT B12
- ✓ FERRITIN
- ✓ FOLATE (FA)
- ✓ RBC FOLATE

▶ PERIPHERAL BLOOD MARHOLOGY

- ✓ LEUKEMOID REACTION
- ✓ LEUKEMIA
- ✓ SICKLE CELL ANEMIA
- ✓ THALASSEMIA ANEMIA
- ✓ MEGALOBLASTIC ANEMIA
- ✓ APLASTIC ANEMIA
- ✓ HEMOLYTIC ANEMIA
- ✓ HEMOPHILIA

▶ COAGULATION MARKERS

- ✓ PARTIAL THROMBOPLASTIN TIME (PTT)
- ✓ PROTHROMBIN TIME (PT)
- ✓ CLOTTING TIME (CT)

▶ IMMUNOGLOBULINS

- ✓ TOTEL IGE TEST
- ✓ IgM TEST
- ✓ IgA TEST
- ✓ IgG TEST

▶ AUTOIMMUNE MARKERS

- ✓ TGA(Anti-Tg)
- ✓ Anti-TPO
- ✓ TRAb
- ✓ TMA
- ✓ ICA
- ✓ IAA(Anti Insulin)
- ✓ GAD 65
- ✓ Anti-IA2
- ✓ Anti-dsDNA IgG
- ✓ ANA Screen
- ✓ ENA Screen
- ✓ Anti-Sm IgG
- ✓ Anti-Rib-P IgG
- ✓ Anti-ScI-70 IgG
- ✓ Anti-Centromeres IgG
- ✓ Anti-Jo-1 IgG
- ✓ Anti-M2-3E IgG
- ✓ Anti-Histones IgG
- ✓ Anti-nRNP/Sm IgG
- ✓ Anti-SS-B IgG
- ✓ Anti-SS-A IgG
- ✓ Anti-CCP
- ✓ Anti-Cardiolipin IgG
- ✓ Anti-Cardiolipin IgM
- ✓ Anti-MPO

HORMONES

▶ FERTILITY HORMONES

- ✓ FSH
- ✓ LH
- ✓ PROLACTIN
- ✓ BETA-HCG
- ✓ SHBG
- ✓ Androstenedione
- ✓ PIGF
- ✓ sFlt-1
- ✓ DHEA-S
- ✓ free Estriol
- ✓ 17-OH Progesterone
- ✓ AMH
- ✓ ESTRADIOL E2
- ✓ TESTOSTERONE
- ✓ PROGESTERONE
- ✓ free Testosterone

▶ THRIOD HORMONES

- ✓ TSH
- ✓ T3
- ✓ T4
- ✓ FT3
- ✓ FT4
- ✓ Tg (Thyroglobulin)
- ✓ TGA (Anti-Tg)
- ✓ Anti-TPO
- ✓ TRAb
- ✓ TMA Rev T3
- ✓ T-Uptake

▶ PRENATAL SCREENING

- ✓ AFP
- ✓ Free β -HCG
- ✓ PAPP-A
- ✓ HCG/ β -HCG
- ✓ free Estrio

▶ TUMOR MARKERS

- ✓ Ferritin
- ✓ AFP
- ✓ CEA
- ✓ Total PSA
- ✓ f-PSA
- ✓ CA 125
- ✓ CA 15-3
- ✓ CA 19-9
- ✓ SCCA
- ✓ TPA-snibe
- ✓ Pepsinogen I
- ✓ Pepsinogen II
- ✓ Gastrin-17
- ✓ H.pylori IgG
- ✓ H.pylori IgA
- ✓ H.pylori IgM
- ✓ β 2MG
- ✓ Calcitonin
- ✓ Proinsulin
- ✓ ProGRP
- ✓ HE4
- ✓ HER-2
- ✓ PIVKA-II
- ✓ HCG/ β HCG
- ✓ Tg (Thyroglobulin)
- ✓ PAP
- ✓ CA 50
- ✓ CYFRA 21-1
- ✓ CA 242
- ✓ CA 72-4
- ✓ NSE S-100
- ✓ SCCA
- ✓ TPA-snibe
- ✓ Pepsinogen I
- ✓ Pepsinogen II
- ✓ Gastrin-17
- ✓ H.pylori IgG
- ✓ H.pylori IgA
- ✓ H.pylori IgM
- ✓ β 2MG
- ✓ Calcitonin
- ✓ Proinsulin
- ✓ ProGRP
- ✓ HE4
- ✓ HER-2
- ✓ PIVKA-II

SEROLOGY

► QUALITATIVE SEROLOGICAL TEST

- ✓ HBsAg TEST
- ✓ MULTI HBV TEST (HBsAg ,HBeAg, anti-HBs,anti-HBe,anti-HBc)
- ✓ TORCH TEST (Toxo IgG/ IgM, Rubella IgG /IgM CMV IgG /IgM, HSV-1 IgG /IgM, HSV-2 IgG/ IgM)
- ✓ HCV TEST
- ✓ HAV TEST
- ✓ SCREENING TEST(HIV/AIDS)
- ✓ SYPHILIS TEST
- ✓ MALARIA TEST
- ✓ BRUCELLE ABOTUS ANTIGEN TEST
- ✓ DENQUE TEST
- ✓ DENGUE NS1-IgG/IgM TEST
- ✓ MYCOPLASMA PNEUMONIA
- ✓ H. PYLORI ANTIBODY
- ✓ H. PYLORI ANTIGEN
- ✓ IMMUNOLOGICAL FECAL OCCULT BLOOD TEST (IFOB)
- ✓ THYPHOID IgG/IgM
- ✓ THYPIOD ANTIGEN(TYPHI/PARATYPHI)
- ✓ SERUM PREGNANT TEST
- ✓ URINE PREGNANT TEST
- ✓ C-REACTIVE PROTIEN (CRP)
- ✓ RHEUMATOID FACTOR (RF)
- ✓ CHLAMYDIA ANTIGEN TEST
- ✓ GONORRHEA ANTIGEN TEST

► QUANTITATIVE SEROLOGICAL TEST

- ✓ C REACTIVE PROTIEIN TEST (CRP)
- ✓ ANTI-CYCLIC CITRULLINATED PEPTIDE TEST (ANTI-CCP)
- ✓ RHEUMATOID FACTOR (RF)
- ✓ ANTISTREPTOLYSINE O TEST (ASO)
- ✓ H. PYLORI IgG/IgM TEST
- ✓ HBsAg test
- ✓ Anti-HBs
- ✓ HBeAg
- ✓ Anti-HBe
- ✓ Anti-HBc
- ✓ Anti-HCV
- ✓ Syphilis
- ✓ Anti-HAV
- ✓ HAV IgM
- ✓ HIV Ab/Ag Combi
- ✓ Chagas
- ✓ HTLV I+II
- ✓ H.pylori IgG
- ✓ H.pylori IgA
- ✓ H.pylori IgM
- ✓ Anti-HBc IgM
- ✓ EBV EPSTEIN BARR VIRUS (EBV EA IgG, EBV EA IgA, EBV VCA IgG, EBV VCA IgM , EBV VCA IgA, EBV NA IgG, EBV NA IgA)

MICROBIOLOGY

► URINE ANALYSIS

- ✓ PHYSICAL
- ✓ CHEMICAL
(PH, SPECIFIC GRAVITY, GLUCOSE, BILIRUBIN, UROBILONOGEN, KETONE, BLOOD, LUEKOCYTES, NITRITE, PROTIEN, CREATENINE, CALCIUM ION, ASCORBIC ACID AND MICROALBUMIN)
- ✓ MICROSCOPIC

► STOOL ANALYSIS

- ✓ PHYSICALLY
- ✓ MICROSCOPICALLY

► SEMEN ANALYSIS

- ✓ PHYSICALLY
- ✓ CHEMICALLY
- ✓ MICROSCOPICALLY

► FLUID ANALYSIS

- ✓ PHYSICALLY
- ✓ CHEMICALLY
- ✓ MICROSCOPICALLY

► CULTURE AND SENSITIVITY

- ✓ URINE CULTURE
- ✓ STOOL CULTUR
- ✓ WOUND PUS CULTURE
- ✓ SWABS CULTURE (EAR SWAB, THROAT SWAB, HIGH VAGINAL SWAB)
- ✓ BLOOD CULTURE (CHILD AND ADULT)
- ✓ SPUTUM CULTURE
- ✓ FLUID CLUTURE