

# Adam-Ag

Biochemistry Analyser

A CLASS AHEAD OF TECHNOLOGY & INNOVATION



#### ROUTINE TEST

GLUCOSE  
HEMOGLOBIN

#### RENAL TESTS

CREATININE  
UREA  
URIC ACID

#### LIPID TESTS

CHOLESTEROL  
HDL – CHOLESTEROL  
LDL – CHOLESTEROL  
TRIGLYCERIDES

#### TRACE MINERALS TESTS

IRON  
IRON TIBC  
ZINC

#### PANCREATIC TESTS

ALPHA -AMYLASE  
LIPASE

#### CARDIAC TESTS

CK – MB  
CK – NAC (TOTAL)

#### MACROMINERALS & ELECTROLYTES TESTS

BI - CARBONATE  
CHLORIDE  
SODIUM  
POTASSIUM

#### INORGANIC IONS

CALCIUM  
MAGNESIUM  
PHOSPHORUS

#### LIVER FUNCTION TESTS

ALBUMIN  
ALKALINE PHOSPHATASE  
BILIRUBIN DIRECT  
BILIRUBIN TOTAL  
GAMMA – GT  
SGOT  
SGPT  
TOTAL PROTEIN

#### SPECIAL & TURBIDIMETRY TESTS

ACE ( ANGIOTENSIN  
CONVERTING ENZYME )  
ADA ( ADENOSINE DEAMINASE )  
ACID PHOSPHATASE  
ALCOHOL  
AMMONIA  
ANTI – CCP ( CYLIC CITRULLINATED  
PEPTIDE )  
APOLIPOPROTEIN A1  
APOLIPOPROTEIN B  
ASO (ANTI – STREPTOLYSIN – O)  
CERULOPLASMIN  
CHOLINESTERASE  
CRP ( C-REACTIVE PROTEIN)  
COMPLEMENT C3  
COMPLEMENT C4  
COPPER  
CITRIC ACID  
CYSTATINE – C  
D - DIMER

D3 - HYROXYBUTYRATE  
FERRITIN  
G-6- PDH (GLUCOSE -6-  
PHOSPHATE DEHYDROGENASE)  
HOMOCYSTEINE  
HS-CRP (HIGH SENSITIVE C-  
REACTIVE PROTEIN)  
HbA1c (HEMOGLOBIN A1 C)  
IgA ( IMMUNOGLOBIN A )  
IgE ( IMMUNOGLOBIN E )  
IgG ( IMMUNOGLOBIN G )  
IgM ( IMMUNOGLOBIN M )  
LACTATE  
LDH (LACTATE DEHYDROGENASE)  
MICROALBUMIN  
MICROPROTEIN  
RF (RHEUMATIOD FACTOR)  
TRANSFERRIN  
OXALATE  
PYRUVATE  
VITAMIN ETC.,

ALL BIOCHEMISTRY PARAMETERS TO BE ANALYSED IN WHOLE BLOOD ,SERUM,PLASMA,URINE,AND C.S.F CAN BE PERFORMED IN ADAM – Ag WITH RESPECTIVE BIOCHEMISTRY TESTS KITS.

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## TECHNICAL SPECIFICATIONS

### EXTERNAL FEATURES:

**SOFT TOUCH SCREEN DISPLAY – FOR FASTER PERFORMANCE**

SEPARATE 16 POSITION **DRY BLOCK INCUBATOR** – TO OBTAIN **PEAK REACTION** BETWEEN ENZYMES & SUBSTRATES

5" GRAPHIC LCD DISPLAY TO **MONITOR O.D. VALUES, REAL TIME GRAPHS & Q.C'S** – TO IDENTIFY **ABNORMAL SAMPLES**

### INTERNAL FEATURES:

**TUBING** HIGH QUALITY **TEFLON TUBE TO PREVENT CARRY OVER** BETWEEN SAMPLES

**FLOW CELL CUVETTE** **18UL FLOW CELL WITH 300UL – 1000UL SIPPING VOLUME - LOW REAGENT CONSUMPTION**

**CUVETTE SENSOR** AUTO DETECTION OF **CUVETTE POSITIONING** – FOR PROPER READING OF SAMPLES

**PERISTALTIC PUMP** **MAINTAINANCE FREE PERISTALTIC PUMP** WHEN COMPARED TO ANY OTHER SEMI AUTO ANALYSERS

**LIGHT SOURCE** 6V/10W TUNGSTEN HALOGEN LAMP WITH **AUTO OFF FACILITY – EXTENDS LAMP LIFE**

**FILTERS** STEPPER MOTOR REGULATED **HARD COATED INTERFERENCE MEMBRANE FILTERS** OF WAVELENGTH 340, 405, 510, 546, 578 AND 630 NM WITH TWO OPTIONAL POSITIONS

**FLOW CELL TEMP.** 25, 30 AND 37°C BY PELTIER EFFECT TO OBTAIN **PEAK REACTION**

**PRINTER** IN-BUILT THERMAL PRINTER

### SOFTWARE FEATURES:

**250 OPEN TESTS AND 30 Q.C. TESTS**

**PATIENT NAME & I.D. INPUT FOR RESULT RECALL**

**STORAGE UPTO 2500 RESULTS**

**QUALITY CONTROL – MONITORED BY LEVY – JENNINGS GRAPH.**

### ANALYSIS MODE:

**ABSORBANCE, END POINT, KINETIC, FIXED TIME KINETIC, RATIO METRIC, DIFFERENTIAL , COAGULATION**

**Adam-Ag**  
Biochemistry Analyser

**AN ELECTRONIC BIOCHEMIST FOR ACCURACY & ASSURANCE**

- ▶ **TOUCH SCREEN**
- ▶ **IN - BUILT PRINTER**
- ▶ **LOW REAGENT CONSUMPTION**
- ▶ **LEVY – JENNINGS CHART**
- ▶ **REAL TIME GRAPH**
- ▶ **SEPARATE DRY BLOCK INCUBATOR**



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