

## Batch Analyser for Clinical Chemistry

### Introduction

Clinical Chemistry Batch Analyzer is a fully automatic system used to measure blood biochemical parameters such as blood glucose, urea, protein, creatinine, uric acid, cholesterol, etc. that are associated with disorders like diabetes, kidney disease, liver malfunctioning and other metabolic derangements. The quantization of these parameters is helpful in classifying such disease and under appropriate circumstances results of the system are used for diagnostic purposes.

### Features

- 4 modes of test - fixed time, end point, bi-chromatic, kinetic.
- Testing with least amount of blood sample.
- Programmable for any biochemical test parameter.
- Can be used with reagents of any make.
- Auto system preparation functions and manual/automatic calibration modes.
- High throughput and reduced contamination.
- Results displayed on PC and printed out using printer.

### Specifications

- Light source : Halogen Lamp
- Optics : 7 Filters mounted on the rotor
- Detector : Silicon photodiode
- Cuvette : 33  $\mu$ l Flow type
- Temperature Control : At 37°C  $\pm$  0.1°C
- Diluter : Sample volume - 5 to 50 $\mu$ l with 1 $\mu$ l increment  
Reagent volume - 5 to 1000 $\mu$ l with 1 $\mu$ l increment
- Sample Aspiration : Programmable from 500  $\mu$ l to 1000 $\mu$ l
- Capacity : 36 reagents removable reagent tray; 30ml, 32 samples removable sample tray ; 0.8ml, 128 cells reaction tray – 8 segments of 16 cells

### Benefits

- Indigenously developed PC based automatic analyser.
- Automation of clinical testing laboratory.

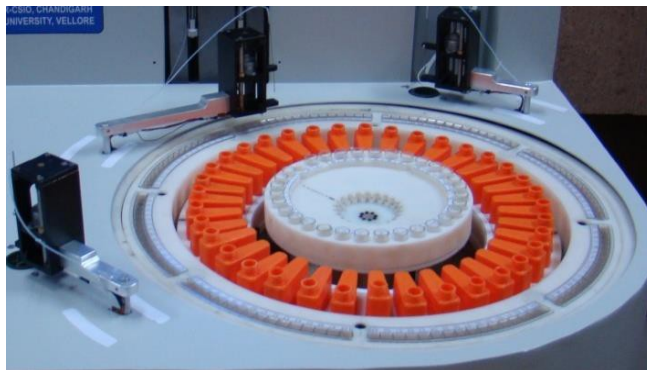
### Applications

For use in Clinical Laboratories of Hospitals, Dispensaries and Diagnostic Centres to measure blood biochemical parameters.

## PC Based Clinical Chemistry Analyser



### Sampler Plate Arrangement



**For further information please contact**

Director  
CSIR - Central Scientific Instruments Organisation  
Sector-30 C, Chandigarh-160030  
Phone No.- (+91)-172-2657190  
Email: [director@csio.res.in](mailto:director@csio.res.in)