

ADVANCED SEMI AUTOMATED BIOCHEMISTRY ANALYZER



AURA Chem

Semi Automated
Biochemistry Analyzer



Advanced Semi Automated Clinical Chemistry & Coagulation Analyzer



PRECISION



ACCURACY



EASY ENGINEERING



REPETABILITY

The machine design is based on new fluidic design concept with a Graphical touchscreen interface for ease of use in laboratory blood testing.

COMPLEXITY SIMPLIFIED

4 IN ONE

Clinical Chemistry, Turbidimetry, Coagulation and Multi Purpose In built Incubator.

3 MODES

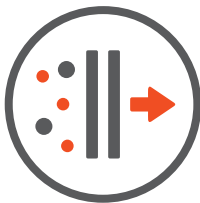
Convenient 3 modes for Analysis : Quartz Flow cell, Square Cuvette and Round Tube with Adopter Mode - Perform all biochemistry Parameters.

7" DISPLAY

Better visibility & easy operations through wide Colour Touch Display supported by Mouse, Keyboard and Barcode Reader facility.

7 FILTERS

Precise result with long life IAD Filters (340nm to 630nm)



Air Purge Between Sample to avoid carry over



300 User Defined Programs
200000 Sample results
Reagents Blank and
QC Results



Intelligent Lamp life saving mode

Technical Specification

General Specification

- 8 IAD Interference Filter: 340, 405, 450, 505, 546, 578, 630
- Silicon Photodiode Detector
- Photometric Range: 0 to 3 OD
- Resolution: 0.0001 A
- Light Source: Halogen Lamp

Measuring Unit

- Triple Cuvette Analysis
 - 18ul Quartz Flow cell
 - 10 mm Square Cuvette
 - 6 mm round Tube with Adopter
- Peltier Temperature control: 25°C, 30°C, 37°C & RT
- Minimum Aspiration Volume 200ul by mean of peristaltic Pump
- 26 Position Multipurpose inbuilt incubator 37°C

Analysis Methods

- Endpoint with Reagent Blank
- Two Point End
- Kinetic
- Fixed Time(two point)
- Turbidimetry
- Coagulation

Analysis Mode

- Bi-Chromatic Filter Selection
- Linear and Non- Liner Calibration Mode
 - 1 Pt. Linear
 - 2 Pt. Linear
 - Multipoint Linear
 - Line Graph
 - Spline
 - Logit-Log 3P
 - Logit-Log 4P
 - Logit-Log 5P
 - Exponential
 - Parabola

Memory Input

- 200 User Defined Test Program
- 200000 Sample Results
- Reagent Blank & QC Result

Software Features

- Multi Level QC with Levy-Jenning Graphs & Cumulative info
- Alpha Numeric Patient ID & Name
- Result Recall by Date, Name & ID
- Online Graph & Change in OD Display
- Option to operate instrument through PC Software

Display

- True Colour 7.0' inch Touch Screen Display

Input/Output Interface

- Touch Screen with Popup Keyboard
- Inbuilt High resolution Graphical Thermal Printer
- 4 USB, Slave USB & Ethernet Port to interface Key Board, Mouse, Barcode reader & printer

Operating environment

- Store Temperature 15°C- 45°C
- Working Temperature 15°C-30°C
- Humidity 35%- 90%, Non Condensing

Power

- External Universal SMPS adapter
- 19V DC/90Watt, 90-264V AC-50/60 Hz

Dimension(mm) & weight

- 400(L) X 300(W) X 191(H) (L-W-H)
- 7KG Approx

