

## Technical Specifications

### PHOTOMETRIC MODULE

- ✓ Seven Narrowband Interference Filters
- ✓ Filter Wavelengths: 340, 405, 505, 546, 578, 630 and 670nm (1 open position for optional filter)
- ✓ IAD process ensures long filter life
- ✓ Wavelength Accuracy:  $\pm 2$ nm
- ✓ Silicon Photo Diode detector
- ✓ Absorbance Range: 0.0–3.0 A
- ✓ Resolution: 0.0001 Absorbance Units
- ✓ Photometric Drift: < 5 mAbs/30min
- ✓ CV: < 1%

- ✓ 25°C, 30°C, 37°C
- ✓ Temperature Stability:  $\pm 0.2^\circ\text{C}$

### DISPLAY

- ✓ 5.7 Inch LCD display screen
- ✓ High Contrast Display

### KEYBOARD

- ✓ Tactile touch QWERTY keypad
- ✓ Visual indication on keypad during aspiration

### PRINTER

- ✓ Internal 57mm thermal printer with full graphics printing

### MEASURING MODULE

- ✓ Dual mode (Flow cell & Cuvette)
- ✓ High quality Quartz flow cell for precise measurements
- ✓ 30  $\mu\text{l}$  Flowcell volume
- ✓ Peltier-controlled reaction temperature
- ✓ External cuvettes (10mm path length)

### UNITS

- ✓ 15 pre-defined measurement units

### REACTION VOLUME

- ✓ Minimum aspiration volume - 300 $\mu\text{l}$
- ✓ Maximum aspiration volume - 5ml

### DIMENSIONS

- ✓ Length : 422mm
- ✓ Width : 324mm
- Height : 176mm
- Weight : 6.5 kg

ISO 9001 - 2015 certified | ISO 13485 certified

### ANALYSIS METHOD

- ✓ Endpoint, Fixed time and Kinetic
- ✓ Sample blanking and Reagent Blanking
- ✓ Direct Absorbance measurement mode
- ✓ Coagulation Mode (PT / APTT / TT)

### TEST PROFILES

- ✓ User defined 10 Test Profiles
- ✓ 10 tests can be added in each profile

### TEST CHANNELS

- ✓ 48 dedicated assays
- ✓ Direct access keys for dedicated assays
- ✓ Open channel capability
- ✓ 200 programmable channels

### DATA MANAGEMENT

- ✓ Storage of up to 10,000 test results
- ✓ Stores 30 days QC for each Assay
- ✓ Reagent Blank storage

### REPORTS

- ✓ Search by date, sample ID or Test Name
- ✓ Calibration Reports, QC results

### INTERNAL INCUBATOR

- ✓ Positions : 7
- ✓ Temperature : 37 Degree

### QC AND CALIBRATION

- ✓ Daily and monthly QC with data archiving.

### INTERFACE

- ✓ RS 232 Port • USB Port
- ✓ PC Connectivity (optional)

### POWER

- ✓ Input Voltage Range : 88 - 264 VAC
- ✓ Frequency Range : 47 - 63 Hz
- ✓ Power consumption : 75 W max



# Proven Chemistry Analyzer



Now  
WITH  
INTERNAL INCUBATOR WITH  
COAGULATION TESTS  
(PT/APTT/TT)

## Semi Automated Clinical Chemistry Analyzer *Gen 1*

- Robust and reliable diagnostics solution

- Consistent performance and easy operation

Proven Chemistry Analyzer

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## FLEXIBLE

- Programmed to analyse endpoint, fixed time and kinetic assays
- Storage for 200 user programmable test methods and 10000 test results
- Create up to 10 customised test profiles
- Open System (Any reagents can be used)

## ECONOMICAL

- Low reagent consumption
- High quality surface coating ensures long Filter life
- Extended lamp life

## ROBUST

- Low maintenance
- Consistent and reliable results
- Indian design and manufacturing

## OPTIMISED OPTICAL DESIGN

High sensitivity measurements for kinetic and turbidimetric assays (RF, ASO, CRP etc)



### LIGHT SOURCE

Halogen Quartz tungsten lamp  
(6V, 10Watt)  
Lamp life saving mode  
(programmable sleep interval)  
Unique Lamp life enhancing circuit



### ASPIRATION

High precision peristaltic pump  
Non corrosive tubing ensures long life and accurate aspiration  
Aspiration air gap and auto empty function after each sample run  
Minimal chances of carry over

## ONE TOUCH ACCESS TO DEDICATED ASSAYS

48 direct access assays

ACP	JLP	App-A	ASO
ALE	AMY	App-B	BUN
BAL	Ca	CK	CL
BE-T	CHOL	CK-MB	DREA
CHP	GST	GLB	HE
Fe	GLU	GLDH	HEPATIC
HBDH	HDL-C	LDH	LDL
HCT	K	LDL-C	LPS
INa	INr	RF	SCOT
Na	PHOS	TBA	SGPT
TG	TP	UREA	UREA
TIBC	UREA	Zn	zPRO

## EASY MAINTENANCE

Self-diagnosis and system health reporting are an integral part of CurioLab  
Easily set photometer gain and perform pump calibration.



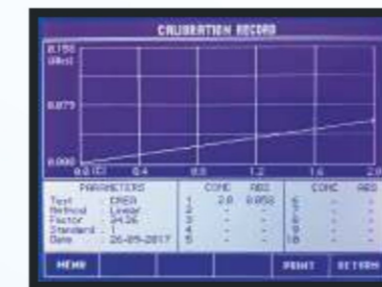
## INTUITIVE USER INTERFACE

- Six informative screens control operations
- Easy navigation through submenus
- Requires minimal training



## QUALITY CONTROL

- Mean, SD, % CV and R calculated for each assay
- Levey-Jennings control chart
- 3 levels per assay
- Westgard Rules



## CALIBRATION

- Factor, one-point, point to point and Log-Logit
- Non linear multi point calibration
- Up to 3 replicates per point
- Up to 10 calibration points



## ERROR DETECTION

- Early detection and reporting of errors on screen
- Saves time and avoids faulty test runs which saves reagents

## ANALYSIS MODES

Absorbance	Kinetic with factor and linearity check
Immunturbidimetry	End Point with factor, standard or multiple standards with or without reagent/sample blank
Bichromatic mode	Fixed time with standard, factor or multiple standards, with or without reagent blank