

**NOW with  
Integrated  
Innovative Smart Key**



Test **HbA1c, CRP, RF, ASO**  
in cost effective way

# **autora**<sup>TM</sup>

Fully Automatic Random Access  
Biochemistry Analyser

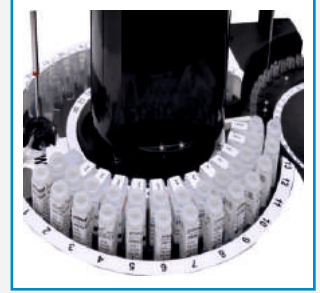


CE

**Simplicity In Automation**

## Reagent Tray

- 26 Open positions
- 13 Positions for 10 ml bottles
- 13 Positions for 30 ml bottles
- Reagent tray cooling to 10°C to 15°C below the ambient temperature



## Reagent Probe

- Reagent probe volume 50 to 500  $\mu$ l
- Preheated, probe with liquid level detection
- Probe cleaning : both internal and external



## Sample Tray

- 26 Open positions for sample/standard/calibrator/control
- Can adapt primary tubes and paediatric cups
- **STAT** sample priority
- Continuous sample loading is possible



## Sample Probe

- Sample probe volume 2.5 to 30  $\mu$ l
- Probe with liquid level detection
- Probe cleaning : both internal and external



## Mixing Station

- Dedicated mixing arm for R1 and R2 mixing
- Mixer cleaning : external



## Wash Station

- Intelligent software to wash the cuvettes
- 7 Probe wash/wipe station
- 6 Coaxial probes for washing, 1 probe for wiping



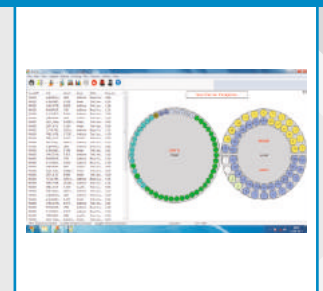
## Reaction Tray

- 50 Individual permanent optical glass cuvettes
- Reaction volume : 200  $\mu$ l / test
- Reaction temperature controlled at 37°C  $\pm$  0.5°C



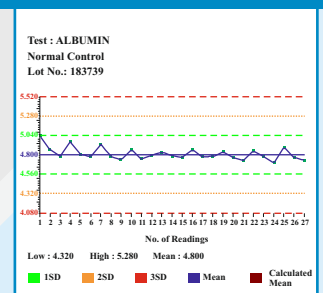
## Software Features

- Windows based user friendly operation
- Online status of reagent, sample and reaction system
- Real time monitoring of reaction curves
- Real time diagnosis of system status
- LIS connectivity



## Quality Control

- Levy Jenning (L-J) Graph
- Westgard Rules
- Pediatric Cup for Q. C.



## Turbidimetric Reagents With Smart Calibration Key



Test **HbA1c**, **CRP**, **RF**  
and **ASO** in a Cost Effective Way

- No calibration required
- Saves time & money and avoids errors of calibration
- Great accuracy & precision

### Reagent Features :

- Ready to use liquid stable reagents with long shelf life
- Fine micro size latex particles that do not settle down
- Reliable results correlating with gold standard methods
- Two reagent system
- Micro volume reduces cost per test
- Convenient pack size

## Features

- Discrete, Random Access, Fully Automated, Compact, Bench Top Model
- Dual Probe, Individual Probes for Sample and Reagent with Liquid Level Sensor
- Onboard Cooling for Reagent Tray
- Onboard Laundry
- Minimal Water Consumption, less than 2 Litres per Working Hour
- Permanent Optical Glass Cuvettes
- Non Vacuumised Waste/Wash Bottles
- Facility of Post-Dilution and Pre-Dilution Run
- Q.C. with L.J. Plot and Westgard Rules
- Dedicated Onboard Mixer for R1 & R2
- **STAT** Sample Capability
- Built in Computer



## Technical Specifications

### System Information

**System Type** : Fully Automatic, Discrete, Random Access, **STAT** sample priority

**Throughput** : 200 Tests/Hour

**Type of Tests** : Routine and Special Biochemistry Enzymes, Substrates, Drug Assays, Serum Proteins

**Analysis Mode** : End Point, Fixed Time, Kinetic, Linear/Non-Linear Multipoint Calibration

**Programming** : Open System for User Defined Profiles and Calculations

### Optical System

**Filters** : Interference Filters 340, 405, 450, 510, 545, 578, 630, 700 nm + 2 Optional

**Absorbance Range** : 0.000 to 3.000 Abs. Unit

### Calibration & Control

Linear (1 Point, 2 Point, Multipoint), Point to Point

Quality Control by Levey Jennings / Westgard Rules

### Working Conditions

**Power Supply** : 115-230 volts, 50 - 60 Hz  $\pm$  10 %

**Power** : 300 VA

**Relative Humidity** : up to 80%

**Dimensions in mm (lxbxh)** : 890 x 430 x 580 (Approx)

**Weight** : 45 kg. (Approx)

*Due to continuous development, specifications are subject to change without prior notice.*



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