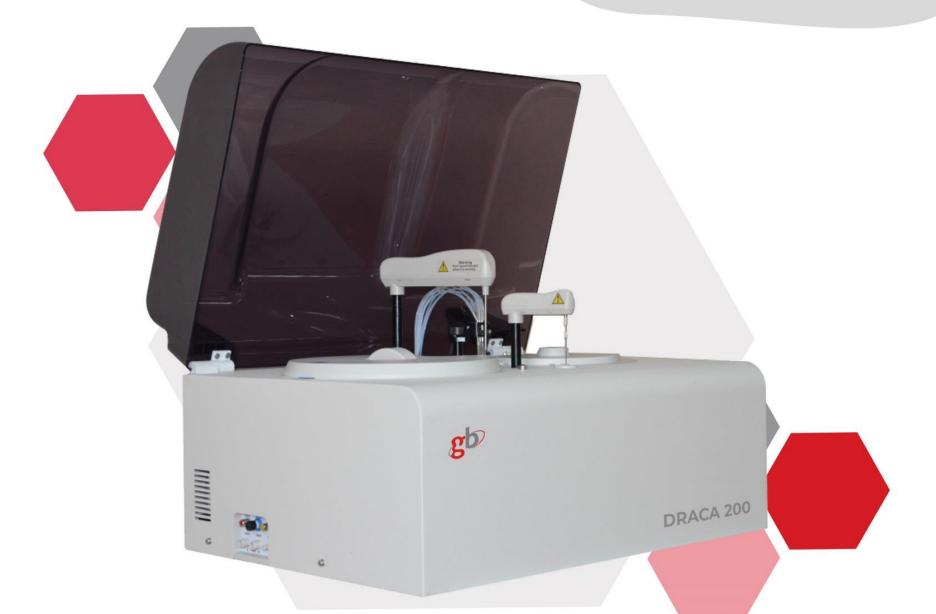
# **DRACA 200**





## FULLY AUTOMATED BIOCHEMISTRY **ANALYZER**

- User friendly: Smart and easy-operating software
- Independent mixing probe •
- Utility of reagents: 300ul/test •
- **Throughput: 200 tests/hour** •
- High Accuracy: Minimal operating/random errors
- **Operation System: Windows 7 or Higher** •



# **DRACA 200**

## **Fully Automated Chemistry Analyzer**



**40**<sup>Reagent</sup> Position

### **TECHNICAL SPECIFICATION**

#### **Optimum calibration cuvette**

40 sample position Reagent refrigerated function 40 reagent position.

#### **Reaction Cuvette**

60 disposable plastic cuvettes Automatic blank testing for cuvette. Calorimetric system in the pattern of light splitting behind cuvette. Dismountable, easily replacement.

#### Sample/Reagent Probe

Automatic liquid level detect. Collision protection function. Probe internal/external washing. Clot detection function.

#### 7-Step Auto Cleaning System

Automatic 7-step washing. Hi-tech washing station to ensure accurate results. With low water consumption: 0,5 L/h

#### **Intellective software**

Automatic washing cuvette when startup & shut down. Automatic detect reagent volume during every startup. Reagent plate temperature detecting when startup.

#### Sample/Reagent Handling

- Sample volume: 2-50ul,0.1 ul step
- Sample Dilution: automatic/Manual pre-dilution, with dilution ratio up to 1:20
- Reagent Position: 40 pcs (With refrigerated function, 2-8 °C)
- Reagent Volume: 10-300 ,0.1 ul step

#### **Optimum calibration cuvette**

- Automatic Cuvette blank testing
- Automatic wash selected
- Automatic washing cuvette when startup & shut down
- Automatic detect reagent volume during every startup
- Reagent plate temperature detecting when startup cuvettes

#### **Working Condition**

- Power Supply: ~100-240V, 50/60Hz <350W</li>
- Temperature: 10-35C
- Humidity < 90%, no dew



#### Factory

Plot No. 97 & 98, Kattabomman street, Parvathy Nagar extension, Old Perungalathur, Chennai 63, India .

#### Sales

Plot No.54, Kambar Street, 1st & 2nd Floor, Parvathy Nagar, Old Perungalathur, Chennai 600063, TN (India).

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#### Dynamic and Real-time display of running status

- Real-time online monitoring running status of sample tray, reagent tray and cuvette
- Real-time online monitoring reagents residual volume
- Real-time online monitoring waste volume

#### Automatic dilute and re-test

- Automatic dilute and re-test when absorbance range is out of range.
- Automatic dilute and re-test when linear limit is out of range
- Automatic dilute and re-test when linear range is out of range
- Freely set the auto dilute ratio and dilute water position.

#### **System Functions**

Analysis Method: End-point, kinetic, two-point, double-reagent, double-wavelength, multi-standard etc, open to various reagents.

#### Calibration

- Calibration: Linear/nonlinear multi-point calibration.
- Re-test: Retest the sample automatically when the result is out of the linearity range or the sample is not sufficient.

#### **Reaction System**

- Reaction Cuvette: 60 disposable plastic units
- Optical Length of cuvette: 5 mm
- Reaction Volume: 120~300 ul
- Reaction Time: 3-10 minutes
- Reaction Temperature: 37+0.1°C

#### **Optical System**

- Light Source: Halogen -tungsten lamp
- Wavelength: 340-700nm, 9 wavelengths, precision
- Absorbance Range: 0~3.0
- Abs Resolution: 0.0001 Abs
- Rear spectrophotometry

#### Input and Output

- Input : RS-232 interface /computer
- Output: printout