



SB-501⁺ PLUS

Semi Automatic Biochemistry Analyzer (With Coagulation & Incubator)



INNOVATIVE DESIGN, SMART COMBINATION

- * Real Time colored Graph and absorbance
- * Windows Embedded Compact 7
- * 7.0 inch true color touch screen (800*480 pixels)
- * Auto Sleep, Lamp Protection, Self Define Sleep Time
- * 300 programmable test
- * 2,00,000 result storage with editable patient information
- * 4 USB ports, 1 USB Slave & 1 Ethernet port
- * Data Backup By USB
- * External Printer, U Disk, Barcode reader Facility
- * Support PC control Function via USB slave port
- * Keyboard, Mouse Connectivity
- * Inbuilt Multi Functional Incubator
- * Power Light, Standby Light
- * Universal Power Supply (External Power Adaptor)

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Technical Specification

Test Method

- * End Point With Standard/Factor
- * Two Point Kinetics (Fixed Time)
- * Multipoint Kinetics
- * Multi standard up to 8 standards
- * Biochromatic, Dual Wavelength
- * Absorbance
- * Coagulation

Optical System

- * Principle: Photometric Analysis with Interference Filter
- * Absorbance Range: 0.0000-3.0000
(Linearity: $\pm 1\%$, Repeatability: 0.001, Resolution: 0.0001)
- * Spectral Range Selection: Automatic Via Filter Wheel
- * Wavelengths: 340, 405, 450, 505, 546, 578, 630 nm
+ 2 Free Positions, ± 2 CML Precision
- * Light Source: 6 V 10 W Long Life tungsten Halogen Lamp
- * Detector: Photodiode

Thermal System

- * Peltier Regulated 25°C, 30°C, 37°C & Room Temperature
- * Accuracy: $\pm 0.3^\circ\text{C}$

Cuvettes

- * Flow Cell: Quartz 32 μl
- * Path Length: 10 mm
- * Removable Cuvette

Printer

- * Inbuilt Thermal Printer (57mm)
- * Optional External Printer

Display & Input System

- * 7.0 inch color touch screen
- * External Keyboard, Mouse facility

Suction System

- * Pressure Auto releasing Peristaltic Pump
- * Suction Volume: 300 μl to 3.0 ml
- * Air column facility after each sample to avoid carry over

Test Parameter, Storage & CPU

- * Test Parameters: Up to 300
- * 2,00,000 test results with editable patient information
- * Storage of Quality Control And standard results
- * DDR2 SDRAM: 1 G bit
- * Flash: 256 MB
- * ARM Cortex A8, 720 MHz

Quality Control

- * Low-Jennings Chart Using Westgard's Rule
- * Auto Drawing of QC figures

Operating Conditions

- * Temperature: 10°C~37°C
- * Relative Humidity: <85%

Power Requirement/ Dimensions

- * Voltage: 100-240 V AC (Auto Adaption)
- * Frequency: 50/60 HZ
- * External Power Adaptor: 19 V 4.7 Amp
- * Dimensions: 450*300*205 mm (L*W*H)
- * Weight: 7.5 Kg

Technical Specification are subjected to change without prior notice



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