

BS-240

Fully Auto Clinical Chemistry Analyzer



BS-240

Very Accurate

- Fully Automated, Compact, Discrete & Random access analyzer
- Throughput upto 200 Tests/Hour – upto 400 tests/hour with ISE.
- Flexible Loading up to 40 Samples & 80 Reagents positions (40 Interchangeable)
- 4 Stages 8 Steps washing system with Pre-warmed Detergent & Deionized water

Very Efficient

- Refrigerated Compartment for both Samples & Reagents
- In-build Barcode reader
- Water Consumption : $\leq 4\text{L/H}$
- Supports 9 Different Calibration Rules & 5 Different QC Rules

Very Smart

- Minimum 100 μl Reaction Volume
- Unique Smart sampling technology for HbA1C Whole blood testing
- Vertical collision protection & Liquid level detection
- Automatic Post & Pre dilution for samples
- Unique Reflex & Twin Chemistries function

BS-240

Clinical Chemistry Analyzer

Technical Specifications

System function

Automatic, Discrete, Random Access, Bench-top

STAT sample priority

Throughput : Up to 200 tests / hour, up to 400 tests / hour with ISE

Measuring principles : Absorbance photometry, Turbidimetry, Ion Selective Electrode technology

Methodology : End-point, Fixed-time, Kinetic, optional ISE, Single / Dual / reagent chemistries, monochromatic / bi-chromatic

Original system pack reagent ready to use

Close system and open system is optional

Reagent / Sample Handling

Reagent / Sample tray : 80 positions for reagents and 40 positions for samples in 24-hour refrigerated compartment (2-12C)

Reagent volume : 10~250 μ l, step by 0.5 μ l

Sample volume : 2~45 μ l, step by 0.1 μ l

Reagent / Sample probe : Liquid level detection, vertical collision protection and inventory checking, reagent pre-warming

Probe cleaning : Automatic washing for interior and exterior Carry over < 0.05%

Automatic sample dilution : Pre-dilution and post-dilution

Internal bar code reader (optional) Used for sample and reagent programming

Be applicable to various bar code systems of Codabar, ITF (Interleaved Two of Five), code 128, code39, UPC/EAN, Code93

Capable to communicate with LIS in bi-directional mode

Reaction System :

Reaction rotor : Rotating tray, containing 40 cuvettes

Cuvette : Reusable, optical length 5mm, Reaction volume : 100~360 μ l

Operating temperature : 37C, Temperature actuation : \pm 0.1C

ISE Module (optional) : Measuring K+, Na+, Cl-

Mixing Unit : Independent mixing bar

Cuvette Washing : Washing station with pre-warmed detergent and water

Optical System

Light Source : Halogen-tungsten lamp

Wavelength : 8 wavelengths, 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm

Absorption range : 0~4.0 Abs (10mm conversion), resolutions 0.0001 Abs

Stray Light : 5.6 Abs

Control and Calibration

Calibration modes : Linear (one point, two points and multi-points) Logit-Log 4P, Logit-Log 5P, spline, exponential, polynomial, parabola

Control Rules : X-R, L-J, Westgard multi-rule, Cumulative sum check, twin plot

Operation Unit Operation System : Windows 8, Interface : RS-232

Working Conditions

Power Supply : 200-240V, 50/60Hz \leq 1000VA or 100~130V, 60Hz, \leq 1000VA

Dimension : 690 mm (length) x 580 mm (depth) x 595 mm (height)

Weight : 79 kg, Water Consumption : \leq 4 L/H

100 μ l minimum reaction volume



4 Stages 8 Steps washing system



VeriSmart software



Unique Reflex & Twin Chemistries Function



Hemolysate Sampling Tech. - HbA1C



Redefined Carry over function



Authorized Distributor



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