

mindray

BS-620M
Chemistry Analyzer

Powerful yet Efficient



BS-620M

Chemistry Analyzer

Technical Specifications

System Function:

Throughput: 600 photometric tests per hour, up to 800 tests per hour with ISE

Measuring principles: Absorbance Photometry, Turbidimetry

On-board tests: up to 77 photometric tests + 3 ISEs+ 3 serum indices

Methodology: End-point, Fixed-time, Kinetic, ISE

Sample Handling:

SDM: 120 samples by 12 racks, sample continuous loading, STAT in priority

Sample volume: 1.5~45 μ L, step at 0.1 μ L

HbA1c sample: Whole blood for HbA1c test

Sample probe: Liquid level detection, clot detection and collision protection

Reagent Handling:

Reagent tray: 80 positions with cooling system (2~8 $^{\circ}$ C)

Reagent volume: 10~200 μ L, step at 0.5 μ L

Reagent probe: Liquid level detection, bubble detection and collision protection

Built-in Bar Code Reader:

Sample and reagent bar code readers support Codabar, ITF (Interleaved Two of five), Code 128, Code 39, UPC/EAN and Code 93;

Capable to connect with LIS in the bi-directional mode

Reaction System:

Reaction volume: 70~300 μ L

Reaction temperature: 37 $^{\circ}$ C with 0.1 $^{\circ}$ C fluctuation

Reaction cuvettes: 124 reusable cuvettes with 8-step auto wash

Optical System:

Light source: Tungsten-halogen lamp

Photometer: Grating photometer

Wavelength: 16 wavelengths (340nm, 380nm, 412nm, 450nm, 480nm, 505nm, 546nm, 570nm, 605nm, 630nm, 660nm, 700nm, 740nm, 770nm, 800nm, 850nm)

Absorbance range: 0~3.5Abs(10mm conversion)

Control and Calibration:

Calibration mode: Linear(one-point, two point and multi-point), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola

Control rules: Westgard multi-rule, Twin plot

Operation Unit:

Operation system: Touch screen(optional), Windows 10(64bit)

Interface: RS-232, Network Port, USB/ parallel port

Working Conditions:

Power Supply: 200~240V, 50/60Hz, 1700VA or 110/115V, 60Hz, 1700VA

Temperature: 15~30 $^{\circ}$ C

Humidity: 35~85%

Dimension: 1380mm(length)*860mm(width)*1200mm(high)

Weight: 350kg



www.mindray.com

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