

BS-600M

Chemistry Analyzer

Mindray

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

Photometer: Grating photometer

Wavelength: 16 wavelengths (340

450nm, 480nm, 505nm, 546nm, 57

660nm, 700nm, 740nm, 770nm, 80

Absorbance range: 0~3.5Abs(10m

Control and Calibration:

Calibration mode: Linear(one-point

multi-point), Logit-Log 4P, Logit-Log

tial, Polynomial, Parabola

Control rules: Westgard multi-rule, T

Operation Unit:

Operation system: Touch screen(optic

10(64bit)

Interface: RS-232, Network Port, USB/ p

Working Conditions:

Power Supply: 200~240V, 50/60Hz, 170

or 110/115V, 60Hz, 1700VA

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

Humidity: 35~85%

Dimension: 1380mm(length)*860mm(widt

Weight: 350kg



www.mindray.com

P/N:ENG-BS-600M-210285X8P-20220302

©2022 Shenzhen Mindray Bio-Medical Electronics Co.,Ltd. All rights reserved.

mindray
healthcare with a ch

BS-600M

Powerful yet Efficient



Flexible Sample Management

- Sample batch transfer
- Continuous sample loading by racks
- STAT Priority
- Quick rerun



HbA1c Tests with Whole Blood

- NGSP certified and IFCC traceable
- Onboard hemolysis without sample preparation
- No significant interference from Hb variants
- Lower detection limit of Hb, less rerun rate



Integrated ISE Module

- 1 blood tube for electrolytes and photometric chemistry tests
- long-life of ISE electrodes
- Easy operation and maintenance



Reliable Testing System

- World-class and excellent sigma metric performance with original reagent
- Intelligent abnormal reaction detection, alarming and auto-rerun to minimize erroneous results

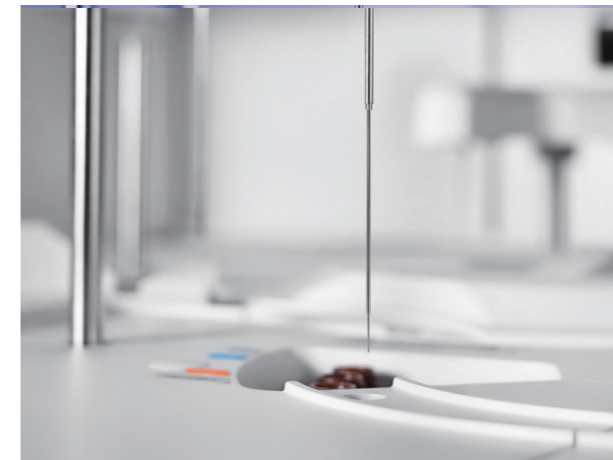
Small Footprint :

1.2m²

Photometric 600T/H
up to 800T/H with ISE



HbA1c Tests with Whole Blood



Onboard hemolysis with whole blood
to improve working efficiency

No manual pretreatment to reduce
biohazardous risks and human errors

120 T/H for HbA1c test to shorten
turn-around-time

Flexible Sample Management

Continuous Sample Loading

Sample continuous loading by racks
Up to 120 sample positions
long walk-away time



Quick Start for Sample Rerun

Auto start for sample test
Automatic priority for STAT and rerun

STAT Priority

Dedicated STAT position, 1 minute aspiration
Quick report ISE+CO2 results in 7 minutes

Smart Dilution

Patented smart dilution function
Faster report

Mindray HbA1c reagent with enzymatic method can specifically detect glycated N-terminal amino acids from the hemoglobin beta-chains, which can effectively avoid interference from Hb variants (HbS, HbC, HbE and HbD) and other Hb derivatives (labile HbA1c, carbamylated Hb, and acetylated Hb).

Mindray enzymatic HbA1c gives reliable and cost efficient result with the first measurement and reduce further confirmations.

