mindray

BS-240
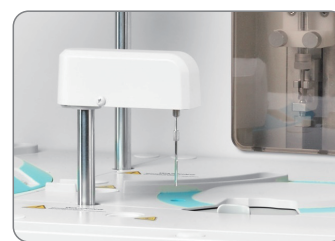## Chemistry Analyzer

Compact Size with Robust Functions

Discrete, Random Access, Automatic, Bench-top
Up to **200** tests/hour, up to **400** tests/hour with ISE

40 positions for reagents
40 positions for samples
Built-in barcode reader

40 disposable cuvettes
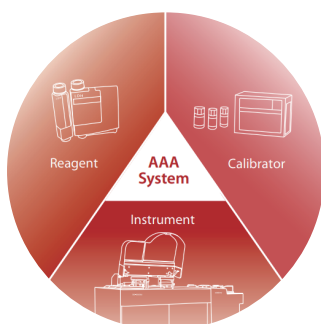100µl minimum reaction volume

Independent mixing bar

Liquid level detection, vertical
collision protection for probes
and inventory checking

Intelligent software: STAT priority
function, Auto QC, Serum indices,
Step by step maintenance guide

HbA1c smart sampling, onboard
hemolysis

Reliable, Accurate, Secure, Efficient

- Less false results and wrong diagnosis
- Better EQA performance
- Longer "walkaway" time
- More thoughtful service

Reagent menu

Original system pack reagent ready to use   Close system and open system is optional

Classification	Parameter
Hepatic Panel	ALT, AST, GGT, ALP, ALB, TP, PA, TBA, CHE, BIL-T, BIL-D, AFU
Renal Panel	UREA, UA, Cys-C, β2-MG, RBP, MALB, CREA, TPUC
Cardiac Panel	CK, CK-MB, a-HBDH, LDH, HS-CRP, MYO, D-Dimer, HCY
Electrolyte	Mg, P, Ca, CO2, (ISE: Na+, K+, Cl-)
Lipid Panel	TC, TG, HDL-C, LDL-C, Apo-A1, Apo-B, Lp(a)
Inflammation Panel	RF, ASO, CRP, C3, C4, IgA, IgG, IgM, IgE
Diabetes Panel	Glu, HbA1C, β-HB, FUN
Anemia Panel	FER, FE, UIBC, TRF, G6PD
Pancreatitis Panel	α-AMY, LIP
Pulmonary Panel	ADA, ACE

EQA for Mindray Reference laboratory - RELA
Mindray reference laboratory has passed RELA for 6 consecutive years.

EQA for Mindray Testing System - CAP
Mindray testing system has passed CAP for 6 consecutive years.

Complete traceability process
Complete calibration hierarchy and traceability chain are based on ISO standard (EN/ISO17511) from reference system to routine measurement system

Technical Specifications

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

Reagent/Sample Handling
Reagent/Sample tray: 40 positions for reagents and 40 positions, Internal bar code reader
Reagent/Sample probe: Liquid level detection, vertical collision protection and inventory checking, reagent pre-warming

Reaction System
Cuvette: 40 disposable cuvettes
Reaction volume: 100μl ~360μl

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

Optical System
Light Source: Halogen-tungsten lamp
Wavelength: 8 wavelengths, 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm

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

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healthcare within reach