MINDRAY



BS-200Chemistry Analyzer

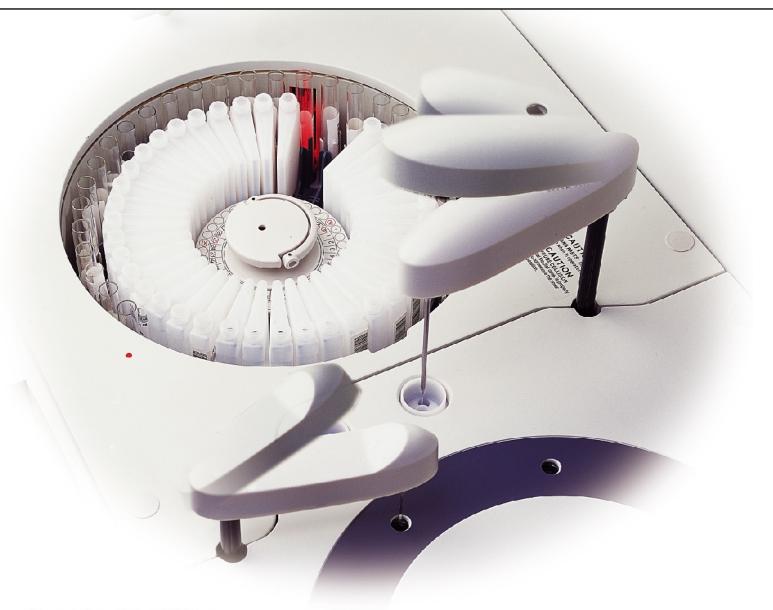


BS-200

Chemistry Analyzer

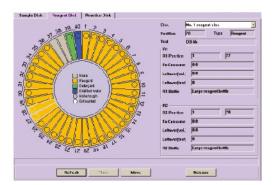
- Discrete, random access, automated
- 200 tests per hour, up to 330 tests per hour with ISE
- LIS interface bi-directional
- Optional for ISE module and internal bar code reader
- Up to 40 positions for samples and reagents respectively
- Automatic probe cleaning, liquid level detection, collision protection
- Reversed optic system with 8 wavelengths: 340-670nm
- Refrigerated reagent compartment





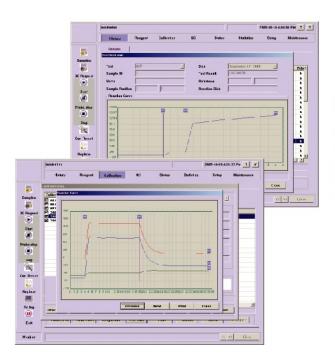
Sample of Test Menu

Enzymes	ALT	AST	ALP A	CP α-H	BDH	LDH	CK	CK-MB	α -AMY	MSO	ChE
	ADA	γ-GT	MAO	Lip La	ap 1	NAG					
Substrates	TG TP	TC Alb	HDL CH	nolesterol DBIL	LDL C	Cholesterol FMN		Lacta	ite UREA	Cr	UA
Electrolytes	Na	K C	l Ca	Mg	Р	Fe l	JIBC	Tf Cu			
Drug of Abuse	ALC	AMP	BAR	вzо	COC	MTD	MTQ	PCP	PPX		
Specific Proteins	APOAI Microa	lbumin	APOB RF	Lp(a) ß 2-MG	ASO Myog	C3 globin	C4 TF	CRP FIB	IgA	lgM	lgG
Others	HbA1c	HbAd	o U-Al	lb BTR							



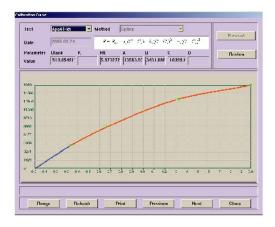
Dynamic and real time display of running status

- Running status of reagent tray, sample tray and reaction tray
- Real time monitoring of reagent residual volume
- Intelligent carry over settings to adjust test sequence
- Probe depth adjustment automatically



Original reaction data record

- Real time monitoring of reaction curve
- Bichromatic testing to avoid interference
- Simultaneously display primary and secondary wavelengths
- Detailed profile of alert messages
- Real time diagnosis of system working status



Optimum calibration curve

- Calibration classification:
- Linear curve type: Single-point linear, two-point linear and Multi-point linear.
- Nonlinear curve type: Logistic-Log 4P、Logistic-Log
 5P、Exponential5P、Polynomial5P and Spline.





High quality ISE Module (optional)

- Measuring K+, Na+, Cl-
- Throughput: up to 225 tests per hour
- 6 months shelf life



Multi-function sample/reagent probe

- Collision protection
- Liquid level detection
- o Internal and external probe washing
- Probe depth adjustment automatically
- Pre-heating for reagents



Excellent reaction tray

- High stability reaction temperature control at 37 ± 0.1℃
- Spot photometry with high speed digital transmission system
- Ocontain 80 disposable reaction cuvettes
- 8 static fiber optics minimize electromagnetic interference
- Maintenance free heater elements



Multi-function sample/reagent tray

- o Optional internal reagent/sample bar code reader
- 40 positions for samples and reagents respectively
- Up to 20/10 virtual sample/reagent trays can be programmed
- Primary tube and various sample cup can be used, non-fixed positions for samples, control, calibrator nor STAT
- $\color{red} \bullet$ 24 hour non stop cooling with Peltier elements



Disposable reaction cuvettes

- Disposable cuvettes to avoid carry over and saving of operating costs
- Automatic cuvettes blank testing to assure precise results



High performance mixer design

- O Absence of cross contamination
- Optimal homogenization in minimum time
- It functions immediately (within the same period) dispending of sample or the second reagent

BS-200

Chemistry Analyzer

Technical Specifications

System function:

Automatic, Discrete, Random Access

STAT sample priority

Throughput: up to 200 tests/hour (without ISE), up to

330 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 / bichromatic

Linear / non-linear multipoint calibration

Programming: Open system with user defined profiles

and calculation chemistries

Reagent/Sample Handling:

Reagent/Sample tray:

40 positions for reagents and 40 positions for samples in refrigerated

compartment (4~15 ℃)

Reagent volume:

R1: 180~450µl, step by 1µl R2: 30~450µl, step by 1µl Sample volume: 3~45µl, step by 0.5µl

Reagent/Sample probe:

liquid level detection, collision protection

and inventory checking

Probe cleaning: automatic washing for both inside and

outside

carry over < 0.1%

Automatic sample dilution:

pre-dilution and post-dilution

dilution ratio up to 150

dilution vessel: disposable cuvette

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)、code128、code39、

UPC/EAN、Code93

Capable to communicate with LIS in

bidirectional mode

ISE Module (optional)

Measuring K⁺, Na⁺, Cl⁻

Throughput: Up to 225 tests per hour

Reaction System:

Reaction rotor: rotating tray, containing 80 cuvettes

Cuvette: optical length 5mm
Reaction volume: 180~500 µl
Reaction temperature: 37 °C
Temperature fluctuation: ± 0.1 °C

Independent mixing probe

Optical System:

Light Source: Halogen-tungsten lamp

Photometer: reversed optics, static fiber spot photometry Wavelength: 340nm、405nm、450nm、510nm、546nm、

578nm、630nm、670nm

Absorption range: -0.1~4.0Abs (10mm conversion)

Resolution: 0.0001Abs

Control and Calibration:

Calibration mode: linear (one point, two-point and multi-point),

Logit-Log 4P, Logit-Log 5P, spline, exponential, polynomial, parabola

Control software: X-R, L-J, Westgard multi-rule, Cumulative

sum check, twin plot

Operation Unit:

Operation system: Windows 2000 Pro with SP4

Windows XP Pro / Home

Interface: RS-232

Working Conditions:

Power Supply: AC200~240V, 50/60Hz, 1000W or

AC100~130V, 50/60Hz, 1000W

Temperature: 15-30 ℃ Humidity: 35-80%

Water consumption: 3.5L/hour De-ionized

Dimension: Bench top: 860mm(W)x700 mm(D)x625 mm (H)

Floor standing: 860mm(W)x700 mm(D)x1160 mm (H

Weight: Bench top: 116 kg

Cabinet (optional): 51 kg









MINDRAY™

Mindray Building, Keji 12th Road South, High-tech Industrial Park, Nanshan, Shenzhen 518057, P. R. China

Tel: +86 755 26582492, 26582888 Fex: +86 755 26582680
E-mail: Intl-market@mindray.com Website: www.mindray.com

DISTRIBUTOR: