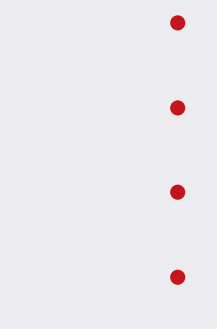


BS-400 Chemistry Analyzer



mindray
healthcare within reach

BS-400 Chemistry Analyzer

- Discrete, random access, fully automated

- 400 tests per hour, up to 640 tests per hour with ISE

- Up to 77 onboard chemistries and 4 ions

- Refrigerated reagent compartment

- Onboard capacity of 90 sample positions

- Automatic probe cleaning, liquid level detection, clot detection, collision protection in both vertical and horizontal directions

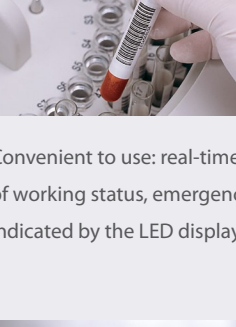
- 8-step auto washing system

- 12 wavelengths: 340~800nm

- Automatic dilution for abnormal sample

- Internal bar code reader (optional)

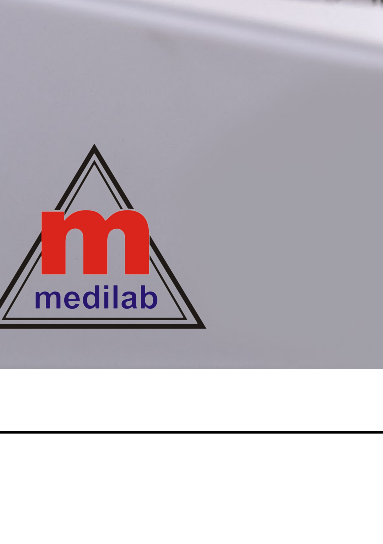
- Bi-directional LIS interface



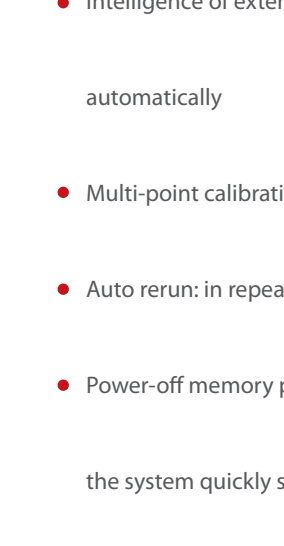
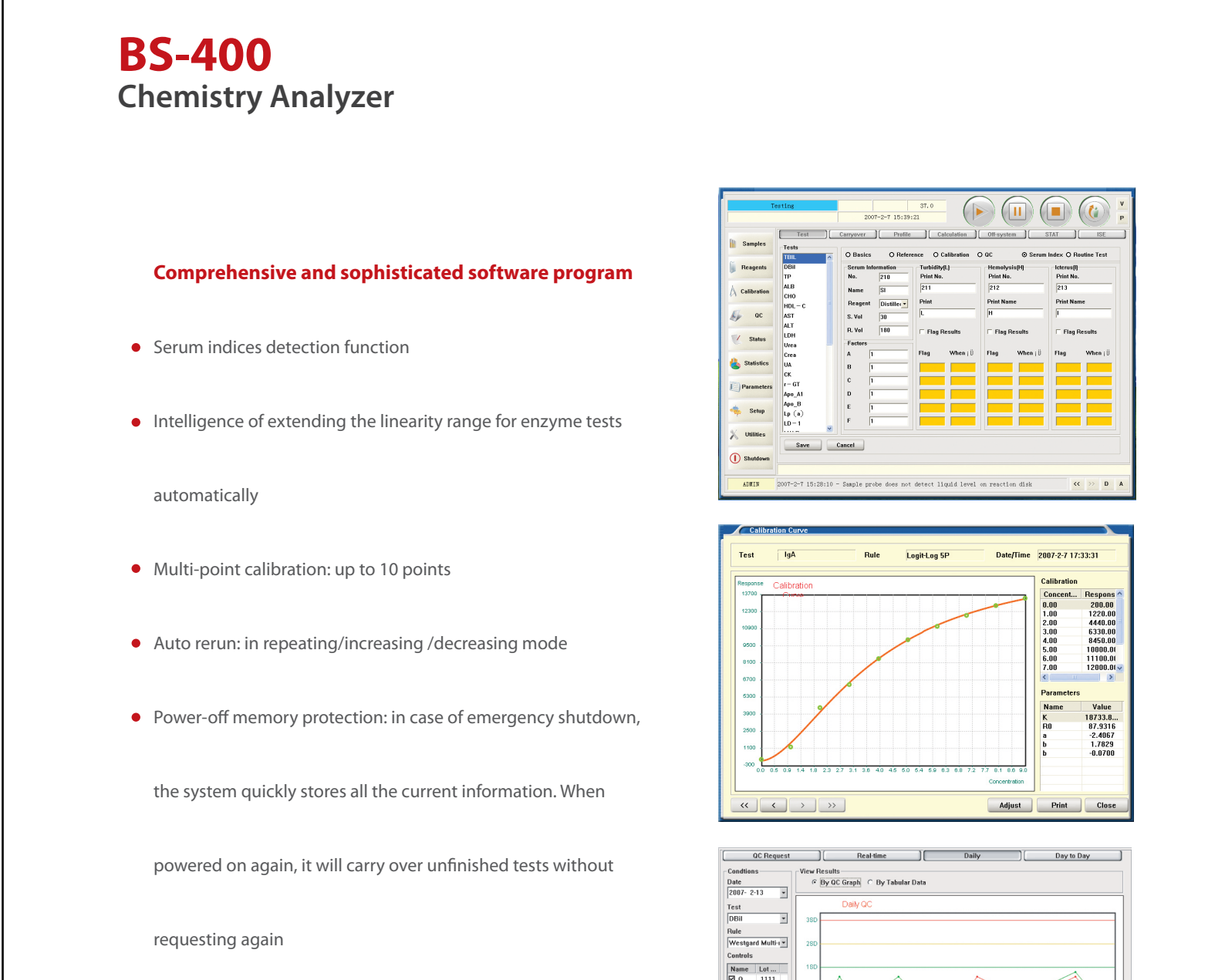
Convenient to use: real-time monitoring of working status, emergency tests are indicated by the LED display.



Clot detection: to avoid incorrect reaction at the very beginning of the reaction process.

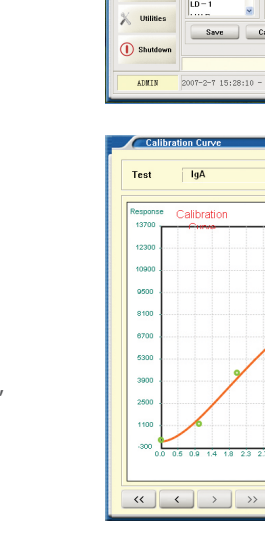


Reusable cuvettes: high performance and accurate result.



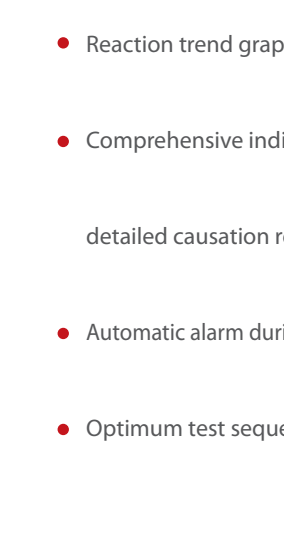
Multi-functional reagent probe

- Interior and exterior probe washing
- Liquid level detection
- Collision protection
- Inventory monitoring
- Probe depth adjusted automatically



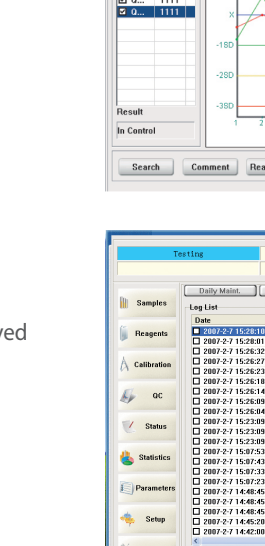
Multi-functional sample tray

- 90 sample positions
- Can be programmed into 5 virtual sample disks
- Primary tubes and various sample cups can be used
- Automatic dilution of high concentration sample
- Pre-dilution for abnormal sample
- Internal sample bar code reader (optional)



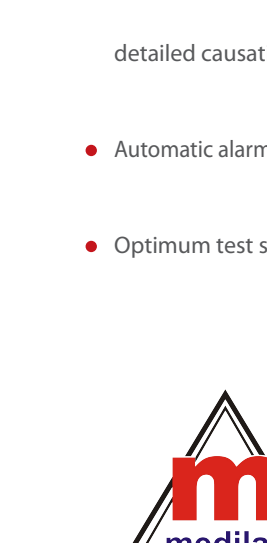
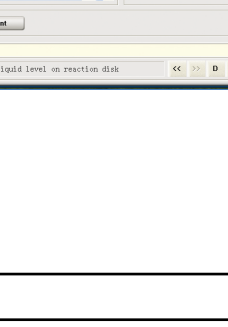
Multi-functional sample probe

- Interior and exterior probe washing
- Liquid level detection
- Clot detection
- Collision protection
- Probe depth adjusted automatically
- Sample volume as low as 2.0µl



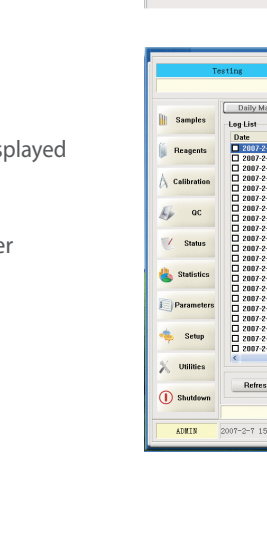
Reaction tray

- Test sequence optimization to reduce carry-over
- Total reaction volume as low as 150µl
- Contains 90 reaction cuvettes
- Maintenance free heating system



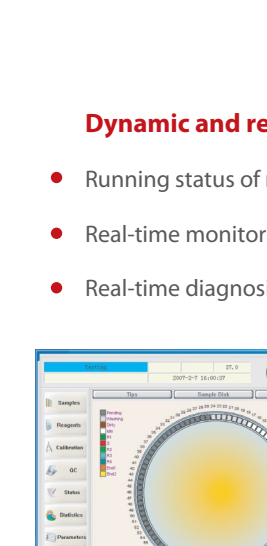
High performance mixer design

- Optimized homogenization in minimum time
- High precision mixer station to ensure excellent reaction conditions
- Standardized mixing procedures



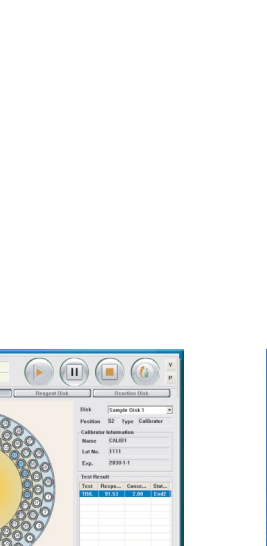
High quality ISE Module

- Optional selection of K⁺, Na⁺, Cl⁻ or K⁺, Na⁺, Cl⁻, Li⁺
- Throughput up to 240 or 320 tests per hour
- 6 months shelf life



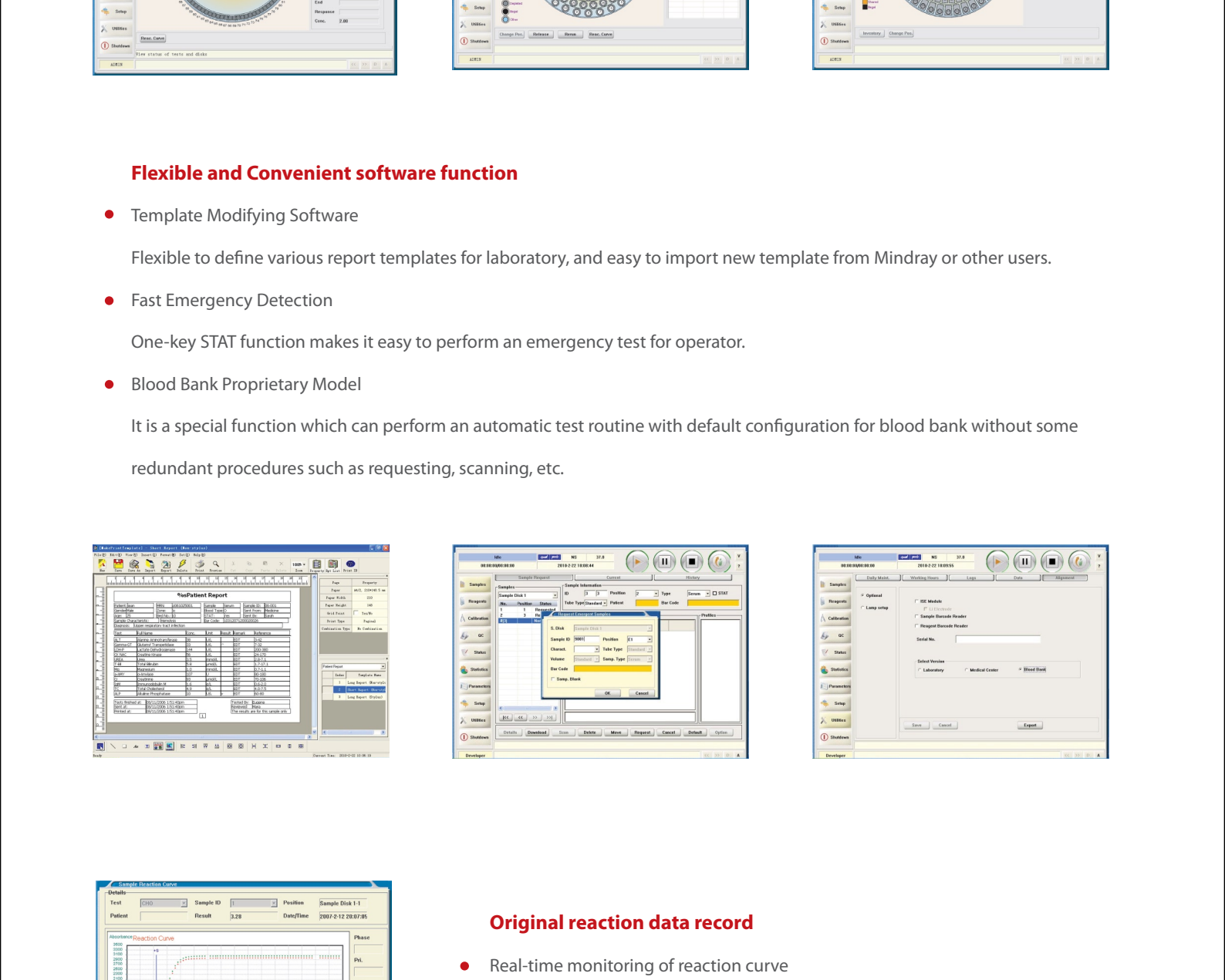
Refrigerated reagent tray

- 80 reagent positions for R1, R2, R3, R4
- 24 hour non-stop cooling with Peltier element
- Ready-to-use liquid stable reagents, carry-over ≤ 0.1%
- Internal reagent bar code reader (optional)



Washing station

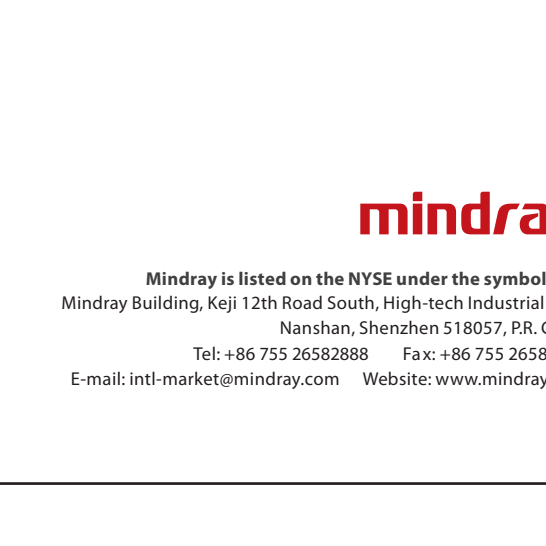
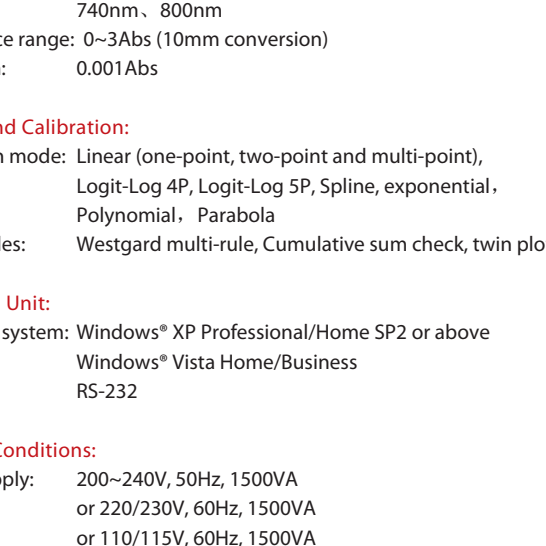
- High tech washing station to guarantee accurate results and ensure valid diagnostics
- 8-step auto-washing



BS-400 Chemistry Analyzer

Comprehensive and sophisticated software program

- Serum indices detection function
- Intelligence of extending the linearity range for enzyme tests automatically
- Multi-point calibration: up to 10 points
- Auto rerun: in repeating/increasing/decreasing mode
- Power-off memory protection: in case of emergency shutdown, the system quickly stores all the current information. When powered on again, it will carry over unfinished tests without requesting again
- Reaction trend graph of patient's history records
- Comprehensive indications for out-of-control results and detailed causation records
- Automatic alarm during running process with explanations displayed
- Optimum test sequence setting program to avoid carry-over



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
- Real-time diagnosis of system working status



Flexible and Convenient software function

- Template Modifying Software
Flexible to define various report templates for laboratory, and easy to import new template from Mindray or other users.
- Fast Emergency Detection
One-key STAT function makes it easy to perform an emergency test for operator.
- Blood Bank Proprietary Model
It is a special function which can perform an automatic test routine with default configuration for blood bank without some redundant procedures such as requesting, scanning, etc.

Original reaction data record

- Real-time monitoring of reaction curve
- Simultaneously display primary and secondary wavelengths to avoid interference
- Detailed profile of alert messages



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