

Model M600

FULLY AUTOMATIC CHEMISTRY ANALYZER

Features:

- Equipment type: Fully automatic, discrete, STAT priority
- Throughput: 600 test/hour for photometry tests, 1000 test/hour with ISE
- Test principle: Colorimetry, turbidimetry, ISE
- Rear spectrophotometry of holographic flat field grating system with 12 wavelength
- Reusable cuvettes with auto-washing station
- Auto clot detection and crash protection (vertical & horizontal)
- Continuous refrigeration for reagent and sample trays
- Automatic sample diluent: 3-170 times
- Two independent mixing stirrers



mtidiagnostics

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ISO 13485 Quality
management system

FULLY AUTOMATIC CHEMISTRY ANALYZER

THE ON-BOARD FUNCTION

- NGSP certification of whole blood latex-agglutination method on analyzer
- Whole blood testing function for HbA1c to avoid artificial error
- Not necessary for centrifugation
- Automatically hemolysis function, easy operation and standardization for HbA1c test.

HIGH CAPACITY

- Up to 115 elastic design sample positions, suitable for different size of tubes.
- 112 oblique design reagent positions for full use reagent to save reagent and cost

ACCURATE RESULT

- 340-800nm 12 wavelengths with grating photometry
- Digital liquid level detection high sensitivity avoids bubbles' interference.
- Reagent inventory management, automatically calculate remaining volume and remaining number.

EXCELLENT PERFORMANCE

- Automatically cuvette checkup ensure the cuvette clean
- Collision Protection probes

SAVE TIME AND COST

- Optical diameter 4mm
- Minimum reaction volume 120 μ L

HIGH RELIABILITY

- Large Absorbance Linear Range: Up to 3.6 Abs
- High traceability with original reagents, calibrators and controls.



SPECIFICATION

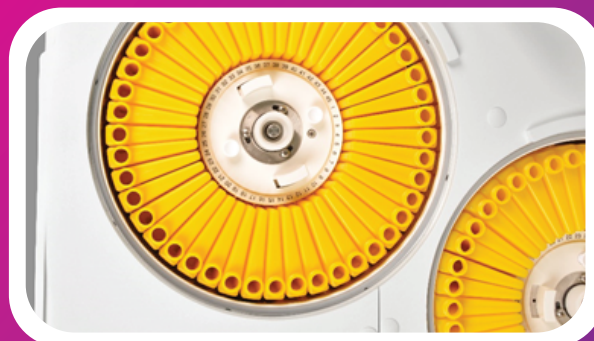
OVERALL PERFORMANCE

- Equipment type: Fully automatic, discrete, STAT priority
- Throughput: 600 test/h for photometry tests, 1000 test/h with ISE
- Test principle: Colorimetry, turbidimetry, ISE
- Analysis method: End-point, kinetics, fixed-time, etc. support single/double wavelength
- Simultaneous analysis item: 110 colorimetric items and 3 ISE items (K, Na, Cl, optional)



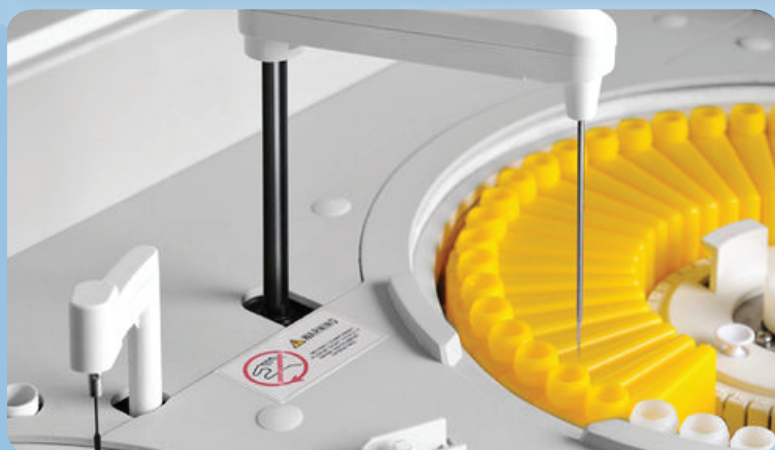
SAMPLE UNIT

- Sample position: 115 sample positions
- Sample volume: 1.5 μ l~35 μ l, 0.1 μ l stepping
- Sample cuvettes specification: Standard cup, original blood tube, multi-specification tube available (φ 10~13)mm x (75~100)mm
- Sample barcode: Code 128, code 39, code 93, 1 2 of 5, UPC/EAN
- Sampling technology: Liquid level detection, clot detection and collision protection.

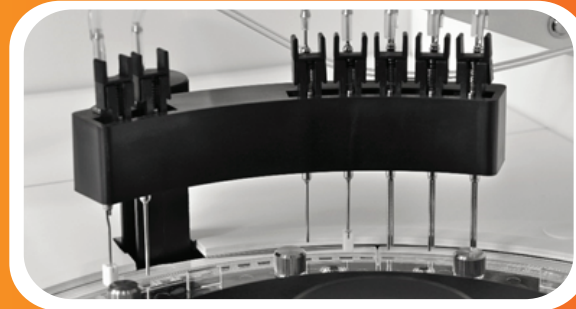
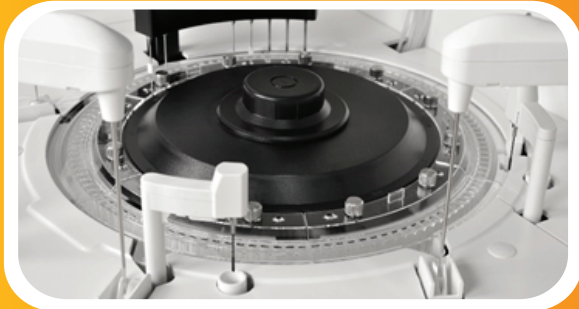


REAGENT UNIT

- Reagent probe: Liquid level detection and collision protection
- Reagent volume: 20 μ l ~ 350 μ l, 1 μ l stepping
- Reagent position: Double reagent disk up to 112 positions
- Reagent barcode: Code 128 or non (optional)



M600



REACTION UNIT

- Reaction cuvette: 120 positions optical plastic cuvettes
- Total volume of reaction liquid: 120 μ l~450 μ l
- Reaction temperature 37°C \pm 0.1°C
- Reaction disk constant temperature: Circulating water
- Mixing needle: Blending immediately after joining reagent
- Reaction Cuvette cleaning: 7 steps 11 steps by warm water rinsing.
- Wastewater treatment: Two diffidence for high and low concentration waste water.
With the function of concentrated waste liquid level alarming

OPTICAL SYSTEM

- Light source: 20W/12V halogen lamps
- Monochromator: Grating photometry
- Wavelength: 340nm~800nm
- Detector: Photodiode LED array
- OD linear range: 0~3.6 Abs

CALIBRATION AND QC

- Calibration method: 1 point linear method, 2 point linear method, multiple point linear method, non-linear method
- Calibration tracking: Automatic description calibration K-value trends
- QC method: Real-time QC, daily QC and monthly QC
- Out of control processing: Alarming for out of control sample, record lost control reason.

OPERATING SYSTEM

- PC operating system: Windows 7/Windows 10 operating system
- Analysis control software: English version graphical operating software.
- Report printing: Report formats support the user-defined mode. QC and state information etc.
- System connection: RJ45 network interface.

OTHERS

- Volume: 1060mm x 790mm x 1150mm (LxWxH)
- Weight: 300 Kg
- Power supply: Voltage AC 220 \pm 22V, 50Hz \pm 1Hz, power 2000A