

Specifications

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System function:

General:	Automatic, discrete, random access STAT sample priority
Throughput:	Up to 150 tests/hour
Principle:	Colorimetry and turbidimetry
Methodology:	End-point, fixed time, kinetic, etc.
Programming:	Open system, closed system on demand

Optical system:

Light source:	Halogen tungsten lamp
Photometer:	Maintenance-free sealed photometer, rear spectrophotometry by filters
Wavelength:	8 wavelengths: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm
Absorbance:	0-3.5Abs

Reagent/Sample handling:

Reagent/Sample tray:	40 reagent positions, 40 sample positions in cooling compartment (4-12 °C)
Reagent volume:	
R1:	150-450ul, step by 1 ul
R2:	10-300ul, step by 1 ul
Sample volume:	2-50ul, step by 0.1 ul
Reagent/Sample probe:	Liquid level detection and tracking, vertical & horizontal collision protection and inventory checking
Probe cleaning:	Automatic washing of interior and exterior Carry-over < 0.1%
Automatic dilution:	Pre-dilution and post-dilution Dilution ratio up to 1: 200

Calibration and control:

Calibration:	Linear, Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial
Control:	Westgard multi-rule, Cumulative sum check, Twin plot, L-J Chart

Working condition:

Operation system:	Win 10
Interface:	RS-232
Power supply:	AC 100~240V, 50/60Hz, <=300 VA
Temperature:	10-30 °C
Humidity:	30-85% RH
Dimension:	720mm (W) x450mm (D) x550mm (H)
Weight:	60 Kg

Reaction system:

Reaction tray:	50 semi-permanent plastic cuvettes
Reaction volume:	160-500 ul
Reaction temperature:	37 °C ± 0.1 °C
Heating method:	Solid heating
Mixer:	Stand alone mixing bar
Cuvette washing:	6-step washing station (optional)
Water consumption:	≤2 L/H





200

Auto Chemistry Analyzer

GS200 is a classic model for clinical chemistry. Its compact footprint and robust functionality bring you pleasant user experience.

General features

- Random access, fully automated, STAT priority
- Throughput of up to 150 tests per hour
- 40 reagent positions and 40 sample positions
- 50 reaction cuvettes

Optional

- Wash station
- Built-in barcode scanner



▶ Sampling system

- One probe and one mixing bar
- Highly polished nano coating avoid hanging liquid
- Maintenance-free rotor with stable movement
- High precision ceramic syringe
- Auto depth adjustment
- Liquid level detection, vertical and horizontal collision protection



▶ Sample & reagent tray

- 24-hour refrigerator at 4-12 °C
- Noise free water cooling design
- 40 reagent positions
- 40 sample positions with STAT priority



▶ Reaction system

- 50 reaction cuvettes
- Constant solid heating
- Reaction temperature: 37°C ± 0.1°C
- 6-step wash station (optional)
- Reaction volume 160-500 ul



▶ User-friendly software

- Easy operation with intuitive navigation
- Easy reagent parameters setting
- One click to import and backup
- Auto troubleshooting and failure recovery
- Powerful statistics function
- Manual dilution, auto pre-dilution and post-dilution
- Easily re-run and restore test
- Bi-directional LIS interface with HL7 protocol



▶ Optical system

- Halogen tungsten lamp with lifespan over 2000 hours
- Completely-sealed spectrophotometer by filters
- Simultaneous dual-wavelength detection
- Auto gain adjustment to assure stable optical system

▶ Complete diagnostic solution

- Reagent R&D center dedicates in developing reagents
- All facilities meet ISO 9001 and ISO 13485 standard
- Comprehensive reagent menu, including hepatic panel, renal panel, pancreatic panel, lipid panel, cardiac panel, etc
- Calibrators and controls are provided upon demands

