

Specifications

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System function:

General: Automatic, discrete, random access
STAT sample priority

Throughput: Up to 150 tests/hour

Principle: End-point, fixed-time, kinetic

Methodology: Linear/non-linear multi-point calibration

Programming: Open system, closed system on demand

Optical system:

Light source: Halogen tungsten lamp

Photometer: Maintenance-free sealed photometer,
rear spectrophotometry by filter

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

Control and calibration:

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 7/ Win 8

Interface: RS-232

Power supply: AC 100~240V, 50/60Hz, <=300VA

Temperature: 10-30°C

Humidity: 30-85% RH

Dimension: 720mm (W) x450mm (D) x550mm (H)

Weight: 60 Kg

Reaction system:

Cuvette: Rotating tray, containing 50 cuvettes
Semi-permanent rigid UV plastic cuvette

Reaction volume: 160~500ul

Reaction temperature: 37°C±0.1°C

Mixer: Stand alone mixing bar

Cuvette washing: 6-step washing station(optional)

 **200**
Auto Chemistry Analyzer



GS 200

Auto Chemistry Analyzer

GS200 is the classic model for chemistry assays. The compact benchtop and robust functionality will allow you to enjoy a pleasant operation.

General feature

Random access, fully automated, STAT
Throughput: Up to 150 tests per hour
40 reagent positions and 40 sample position
50 reaction positions

Optional

Wash station
Barcode scanner



➤ User-friendly software

Easy operation with intuitive navigation
Easy reagent parameters setting
One click to import and backup
Auto troubleshoot failure recovery
Powerful statistic system
Manual dilution, auto dilution and post dilution
Easily re-run and restore test
Bilateral LIS interface with HL7 protocol



➤ Optical system

Halogen tungsten lamp with more than 2000hours' life time
Completely-sealed spectrophotometer by filter
Simultaneously dual-wavelength detection
Auto gain adjustment to assure stable optical system



➤ Sampling system

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



➤ Sample & reagent disk

24-hour reagent refrigerator: 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 160-500ul

➤ Complete diagnostic solution

Independent reagent center allow us to dedicate in the R&D of reagent
All facilities meet ISO 9001 and ISO 13485 standard
Comprehensive selection of reagents, including hepatic panel, renal panel, pancreatic panel, lipid panel, cardiac panel, etc
Matched calibrators and controls are provided upon request

