

Specifications

• System function

General: Benchtop, automatic, discrete, random access, STAT sample priority

Throughput: Up to 100 tests per hour

Principle: Colorimetry and turbidimetry

Methodology: End-point, fixed-time, kinetic, etc.

Programming: Open or closed system on demand

• Reagent/Sample handling

Reagent/Sample tray: 40 reagent positions
20 sample positions

Reagent volume: 10-300 μL , step by 1 μL

Sample volume: 1-40 μL , step by 0.1 μL

Reagent/Sample probe: Liquid level detection, vertical & horizontal collision detection and reagent inventory monitoring

Probe cleaning: Auto interior and exterior wash

• Reaction system

Reaction tray: 81 reusable cuvettes, auto cuvette washing station

Reaction volume: 150-750 μL

Reaction temperature: $37 \pm 0.1^\circ\text{C}$

Heating method: Solid heating

• Optical system

Light source: Halogen tungsten lamp

Photometer: Maintenance-free photometer, rear spectrophotometry by filters

Wavelength: 8 wavelengths: 340, 405, 450, 510, 546, 578, 630, 660nm (precision $\pm 2\text{nm}$)

Absorbance: 0-4.5 Abs

• Calibration and control

Calibration: K-factor, Linear, Spline, Logit-Log 4P, Logit-Log 5P, Exponential, Polynomial

Control: Westgard multi-rule, Cumulative sumcheck, Twin plot, L-J Chart

• Operation system

Computer: Built-in operation system - Linux

Screen: 10.4 inch color touch screen

Data storage: 100,000 results

Printer: Built-in and external printer

Others: Soft keyboard
Compatible with keyboard and mouse

Interface: Ethernet, USB, etc.

• Working condition

Power supply: AC 100~240V, 50/60Hz, $\leq 150\text{VA}$

Temperature: 10-30 $^\circ\text{C}$

Humidity: $\leq 85\%$

Dimension: 384mm*640mm*410mm
(Width*Depth*Height)

Weight: 30 Kg

Water consumption: $\leq 1\text{L/H}$

GS 100
Auto Chemistry Analyzer



Every lab deserves
an automatic chemistry

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GS 100

Auto Chemistry Analyzer

Full functionality, highly integrated microlaboratory

GS100 is the smallest and most integrated chemistry analyzer, which is perfect for low-volume laboratories

It optimizes the use of space in the laboratory by providing full functionality in small space

Standardized operation, which is consistent with larger analyzers, eliminates manual errors and makes test results more reliable

The robust system prolongs uptime and increases productivity of lab

The easy automated testing improves the workflow and mitigates manual labour, together with its cost-effectiveness, making it possible to bring benefits of automatic chemistry to all laboratories



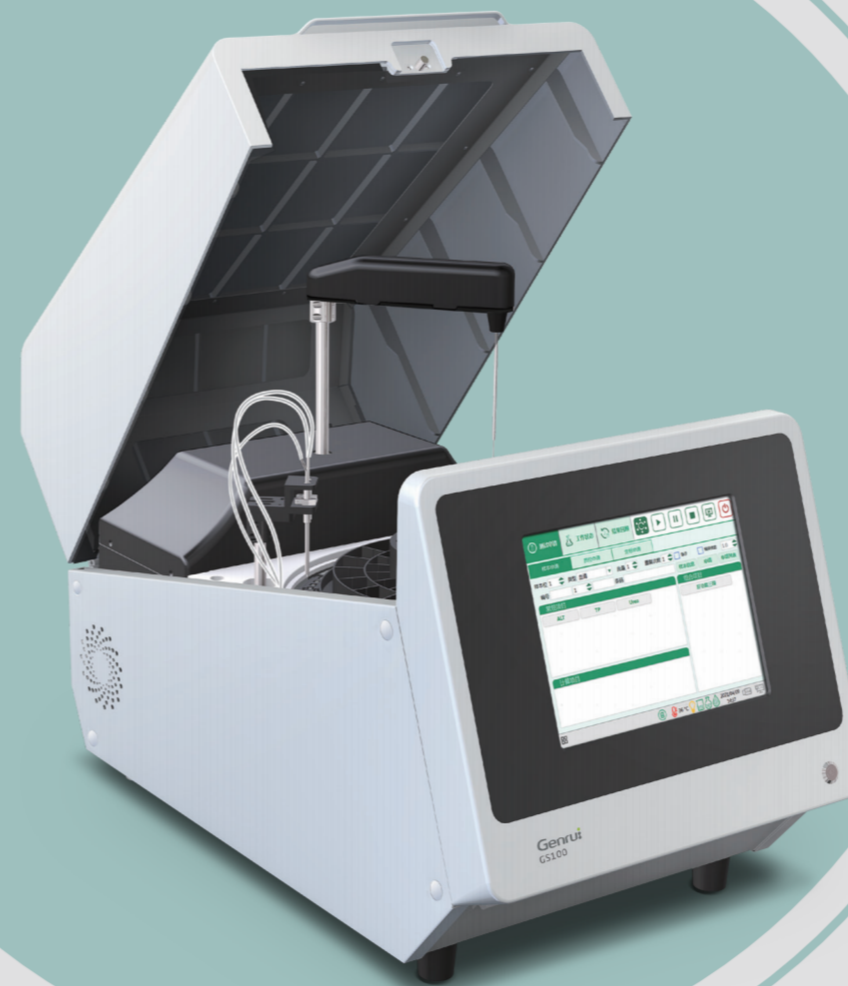
Efficient

- Up to 100 tests per hour
- Fast start-up and shut-down process
- User-friendly software
- Removable reagent disk
- Auto cuvette washing station...



Economical

- Minimum reaction volume 150 μL
- Reusable cuvettes
- Few consumables
- Low water consumption
- Halogen lamp with long lifespan
- Optional reagent closed system...



Integrated

- Small footprint on the desk
- Big reagent and sample compartment
- Built-in computer with touch screen
- Built-in thermal printer
- Complete solution with reagents
- Powerful data transmission with USB, Ethernet, ...



Intelligent

- Reagent inventory monitoring
- Accurate probe pipetting technique
- Auto probe washing reduces carry-over
- Simultaneous dual-wavelength measuring...