Specifications

System function:

General:	Benchtop, automatic, discrete, random access, STAT sample priority
Throughput:	Up to 120 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:	54 reagent positions 27 sample positions
Reagent volume::	10-300 µL, step by 1 µL
Sample volume:	1-70 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 wash
Reaction volume:	150-750 µL
Reaction temperature:	37 ± 0.1°C
Heating method:	Solid heating

Optical system:

Light source:	Halogen tungsten lamp
Photometer:	Maintenance-free photometer, rear spectrophotometry by filters
Wavelength:	8 wavelengths: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 670nm
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 sum check, Twin plot, L-J Chart

Operation system:

Computer:	Built-in operation system
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, RS232, VGA, HDMI, audio, etc.

Working condition:

Power supply:	AC 100~240V, 50/60Hz, ≤ 150VA
Temperature:	10-30°C
Humidity:	30-85% RH
Dimension:	605mm*350mm*350mm (L*W*H)
Weight:	25 Kg
Water consumption:	≤ 1 L/H

Version 2.1

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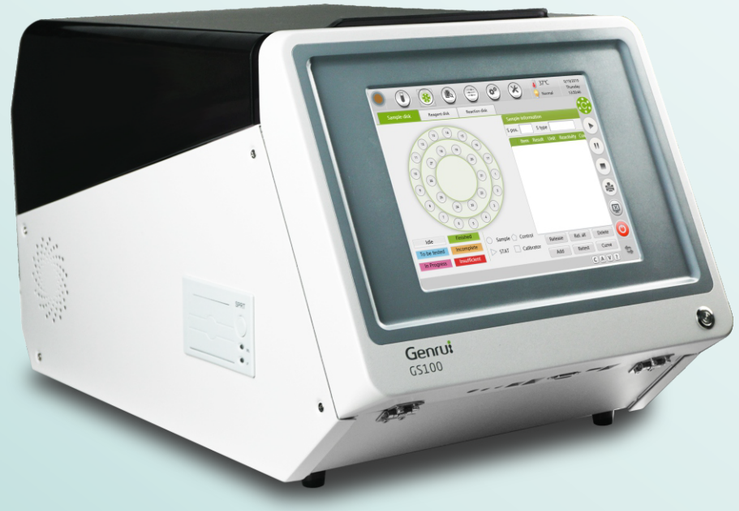
GS 100
Auto Chemistry Analyzer



Every lab deserves an automatic chemistry

Genrui

GS 100
Auto Chemistry Analyzer

Full functionality highly integrated in a small box

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 possilble to bring benefits of automatic chemistry to all laboratories.

Easy

Up to 120 tests per hour

Fast start-up and shut-down process

User-friendly software

Removable reagent disk

Auto cuvette washing

Integrated

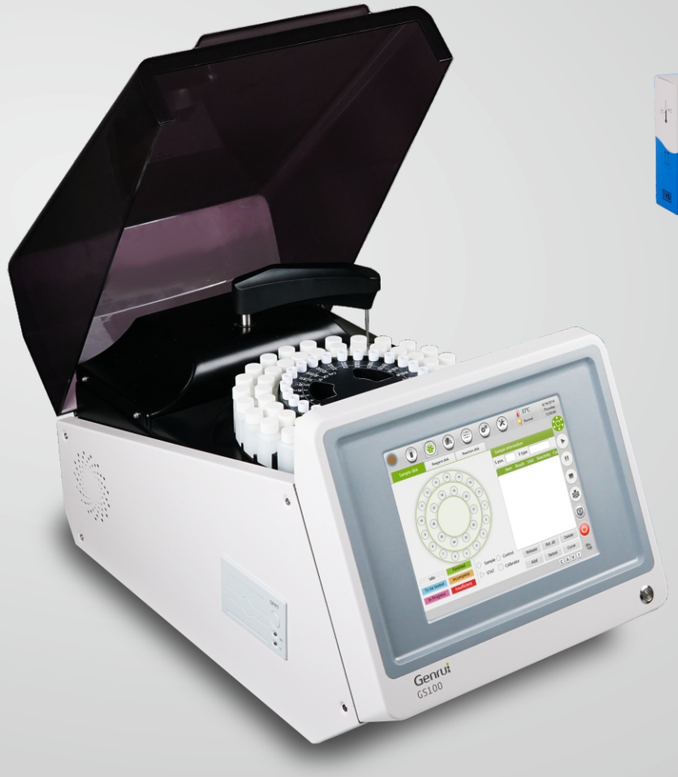
Small footprint on the desk

Big reagent and sample compartment

Built-in computer with touch screen

Built-in thermal printer

Complete solution with reagents



Economical

Minimum reaction volume 150 µL

Reusable cuvettes

Few consumables

Low water consumption

Halogen lamp with long lifespan

Intelligent

Reagent inventory monitoring

Auto reaction temperature control

Accurate probe pipetting technique

Auto probe washing reduces carry-over

Simultaneous dual-wavelength measuring