



MUREX
DIAGNOSTIC PRODUCTS SPECIALISTS



GENRUI GS100

CLINICAL CHEMISTRY CATEGORY

EVERY LAB DESERVES AN AUTOMATIC CHEMISTRY
Auto Chemistry Analyzer



EFFICIENT

- Up to 100 test per hour
- Fast start-up and shutdown process
- User friendly software
- Removable reagent disk
- Auto cuvette washing station



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



ECONOMICAL

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

MUREX Diagnostic Products Specialists



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GS100 SPECIFICATION

● 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: $\leq 1\text{L/H}$