

Specifications

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System function:

General: Automatic, discrete, random access
STAT sample priority
Throughput: Constant 240T/H, up to 300T/H
Principle: Colorimetry, turbidimetry
Methodology: End-point, fixed-time and kinetic

Optical system:

Light source: Halogen tungsten lamp
Photometer: Maintenance-free sealed photometer
Wavelength: 8 wavelengths: 340nm, 405nm, 450nm,
510nm, 546nm, 578nm, 630nm, 670nm
Maximum Abs: up to 4.5 Abs, relative bias $\leq \pm 2\%$



Reagent/Sample handling:

Reagent/Sample tray: 60 reagent positions
60 sample positions
in cooling compartment (2 to 12°C)
Barcode scanner: Sample barcode scanner (optional)
Reagent volume: 20 to 450 ul, step by 0.1 ul
Sample volume: 2 to 60 ul, step by 0.1 ul
Reagent/Sample probe: Liquid level detection and tracking
Collision protection
Inventory checking
Probe cleaning: Automatic interior and exterior wash
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 graph

Working condition:

Operation system: Windows 7/8/10
Connection to PC: Network port
PC: Compatible with wide-screen
Power supply: AC 100~240V, 50/60Hz, $\leq 450VA$
Temperature: 10-30°C
Humidity: 30-85% RH
Water consumption: ≤ 8.4 L/H
Dimension: 880mm (W) x 650mm (D) x 570mm (H)
Weight: 90kg

Reaction system:

Cuvette: 81 reusable cuvettes
Reaction volume: 150 to 500 ul
Reaction temperature: $37.0 \pm 0.1^\circ C$
Mixer: Independent mixing bar
Cuvette washing: Auto washing station



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Genru

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GS 300 Plus

Auto Chemistry Analyzer

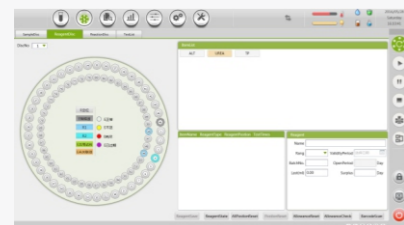
GS300 Plus is one of the best bench-top chemistry analyzers, which is flexible for small to medium sized laboratories. By utilizing latest innovations, it's a perfect combination of small footprint and outstanding performance.

General features

Random access, fully automated, STAT
 Constant 240T/H, up to 300T/H
 60 reagent positions and 60 sample positions
 81 reaction positions
 Auto washing station

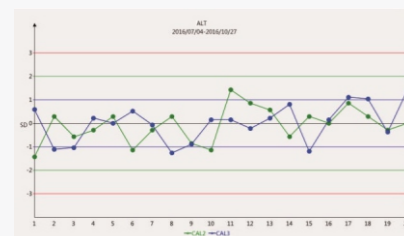
Optional

Sample barcode scanner



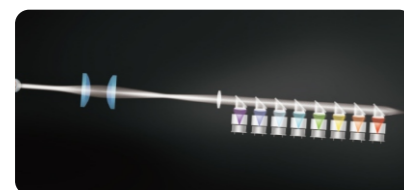
▶ User-friendly software

Easy operation with intuitive navigation
 One click to import data and backup
 Auto dilution and rerun



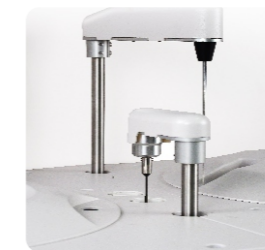
▶ Powerful functions

Reagent management, easy to know remaining tests, volume, expired date
 Results distribution statistics, help to analyse local reference range
 Multi-QC graphs: Westgard, Cum sum, Twin plot
 Support LAN and Ethernet RJ45 communication with PC



▶ Optical system

Halogen tungsten lamp with >2000H life time
 Completely sealed spectrophotometer by filter
 Simultaneous dual-wavelength measurement
 Auto gain adjustment to assure stable optical system



▶ Sampling system

One probe and one mixer bar
 Auto depth adjustment
 Liquid level detection
 Collision protection



▶ Sample & reagent disk

24-hour reagent refrigeration
 60 reagent positions
 60 sample positions with STAT priority



▶ Reaction system

81 reaction cuvettes
 Constant solid heating
 Reaction temperature $37 \pm 0.1^\circ\text{C}$
 Minimum reaction volume 150 μl
 Auto washing station

▶ Real-time monitoring

Reagent inventory monitoring
 Realtime water blank test
 Realtime dirty cuvette detection

▶ Complete diagnostic solution

Dedicated reagent R&D center
 All facilities meet ISO 9001 and ISO 13485 standard
 Comprehensive test menu, including hepatic, renal, lipids, cardiac, pancreatic, diabetes, anemia, etc
 Calibrators and controls are provided upon request

