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Order Information

Cat No.	Description
ADS300	Sapphire 300 Automated Clinical Chemistry Analyser, W/O PC

Healthcare for the Future



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Sapphire 300 Automated Clinical Chemistry Analyser

Your Complete Diagnostic Systems Partner

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DISTRIBUTOR:

CE IVD Compliant



Affordable fully automation!

Sapphire 300 Automated Clinical Chemistry Analyser
 Random access, discrete, benchtop chemistry analyser
 Throughput at 300 tests/hour
 Cost effective system

Key Features:

- Patent pipetting system, accurate and long life
Accuracy to 0.1µl sampling, optimum laboratory quality. Reliable performance.
- Sample volume low to 2µl
- Reaction volume low to 180µl
Save cost for small labs, consumable compare to big systems.
- Reagent cooling with optional On/Off key
Keep your reagent at best situation, without frequently Storing in Fridge.
- Reagent level detection and calculate residual test number
Every test under control.
- Reusable cuvettes, changeable by set
- Reaction cuvettes 7 steps auto-wash
Save cost and prevent problem of carry over.
- Reaction curve review
- Windows based software, functional run monitor and QC management
- User friendly interface
- Password protect authorized user
We consider users experience.
- Easy maintenance modular system
Independent Sample and Reagent Probe

Sapphire 300 Specifications

System General

System Type Open, Automated, Discrete, Random access; Patient Prioritized, Clinical Chemistry Analyser
Throughput 300Tests/Hour
Assay Item Maximum 45
Water Consumption 10L/Hour
Analytical Method End Point, Kinetic, Fixed Time, Linearity and Non-linearity Analysis
Programmable Parameters No limit

Sample Handling

Sample Tray 60 positions/disk, non-fixed sample positions including calibrator and control positions
Sample Volume (µl) 2 - 50µl (adjustable in 0.1 µl step)
Content of Test Clinical Chemistry, ITA, TDM, DOA
Sample Container Primary tubes of 5, 7 & sample cups
Sample Probe Temperature controlled level detection, high pressure washing
Stat Sampling Immediate access at any positions

Reagents Handling

Reagents Tray 45 positions with Pelletier cooling
Reagent Volume (µl) R1: 25 - 350µl
 R2: 0 or 10 - 150µl (adjustable in 1 µl step)
Reagent Bottles 50ml, 20ml
Reagent Cooling Ambient minus 12°C, with independent On/Off key
Residual Vol. Level detection
Reagent Probe Temperature controlled level detection, high pressure washing

Reaction

Reaction Tray 120 reusable (SSec) PMMA cuvettes
Reaction Volume (µl) 180 - 500 µl
Photometry Optics Mono/Chromatic measurement
 8 Wavelengths: 340, 405, 450, 510, 546, 578, 600, 700nm
 0 - 3.0
Absorbance Range Halogen lamp (12V/35W)
Light Source 6mm
Optical Path
Washing Unit 7 Stages automatic laundry unit

User Interface

Display Resolution 1024 x 768
Software Windows 2000 or higher
Auxiliary Data Interface Non limit
Run Monitor RS232 C port for Bi-directional Communication
Printer Operation status on screen
Calibration External
Control Linear (Two Point and Multi Point), Factor, and Levy-Jennings, Monthly Statics
Power Supply 220 ± 5 V AC (or 110 ± 3 V AC, optional), 250 VA, 50/60 Hz
Environmental Dimensions 15 - 30, 10 - 90% rd. Hum.
Weight 680 (V) x 220 (D) x 280 (H) mm
 80kg (main unit with CPU)

