



Product webpage

TECHNICAL SPECIFICATION

System Type	Open, automated, random access, patient prioritized, 1/2Reagent system
Throughput	100 tests/hour for a cycle time of 36 seconds
Sample type	Serum, Urine, Others (CSF, Plasma, etc.)
Measurement principle	Colorimetric (Rate/End Point), Ion Selective Electrodes (optional), Photometric assays Turbidimetric assays
Tray	Rotating removable & reusable Sample & Reagent tray
Reagent volume	R1: 50 – 300 µl (adjustable in 1 µl step), R2: 0, or 10 – 200 µl (adjustable in 1 µl step)
On board tests	42 test items maximum: 25 positions fixed, 15 flexible, 2 additional positions at room temp.
Programmable parameters	Unlimited
Quality control	Within day as well as day-to-day X-Mean and R control diagram (L-J charts) Mean, SD, %CV, R are calculated for each chemistry
Assay modes	1-Point, 2-Point, Rate-A, Rate-B
Minimal reaction volume	180 µl
Power Source supply	AC 220 V ± 10%, 50 ± 1 Hz or AC 110 V ± 10%, 60 ± 1 Hz
Dimensions, weight	675 mm (w) x 450 mm (d) x 300 mm (Working h), 65 kg

XL100



Fully automated clinical chemistry analyzer



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Optimal solution for small and medium laboratories

XL100

DISPENSING OF SAMPLES AND REAGENTS

ECONOMY

- min. reaction volume: 180 μ l
- Sample volume: 2-70 μ l (adjustable in 0.1 μ l step)
- Preheated probe common for Sample and Reagents
- Water consumption: Less Than 1.8 liters/hour

MIXING SYSTEM

- Mixing by probe with 3 levels
 - Low, Medium & High quality control
- Quality control Within day as well as day-to-day X-Mean and R control diagram (L-J Graphs)
- Mean, SD, %CV, R are calculated for each chemistry



REACTION TRAY

- Reusable PMMA Rotor
- 120 cuvettes (Single molded rotor)
- Material: PMMA
- Reaction liquid volume: 180- 550 μ l
- External cuvette washing:
The reaction tray removed, washed & dried outside, manually

REAGENT AND SAMPLE TRAY

- Rotating removable Sample & Reagent tray
- Common positions for reagent 1/2
- Reagent cooling Optional
 - Refrigeration unit with 16°C below ambient
- Reagent bottles 25 fixed positions for R1 or R2 of 50/20ml inner rim.
- 15 flexible positions for R1 or R2 of 20 ml, outer rim
- 2 external positions at ambient temp. for diluents, wash solutions, reagents
- 5ml Tube Adapters



SOFTWARE

- Convenient user interface
- Connection to LIS
- Statistical methods of processing results
- Data export in selected format

MEASUREMENT MONITORING

- Color indication of sample analysis
- Possibility of monitoring the reaction in real time
- Reagent volume monitoring
- Informative scan reports on ongoing analyzer status

