



Product webpage

XL200



Automatic Clinical Chemistry Analyzer

TECHNICAL SPECIFICATION

System Type	Automatic clinical chemistry analyzer – open, random access system, STAT samples processing
Throughput	200 photometric tests/hour 360 tests/hour with ISE
Simultaneous measurement items	Max. 45 photometric tests + 4 ISE
Sample type	Serum, plasma, urine, CSF
No. of programmable parameters	No limit on Test parameters or Calculation items and 4 ISE parameters (Na, K, Cl, Li)
Assay methods	End-point, kinetic, ISE (direct potentiometry)
Calibration type	Linear (one point, multi point), exponential, polynomial, factor cubic spline, Logit-Log 4P, Logit-Log 5P
Optical system	Halogen lamp, 8 filters: 340, 405, 505, 546, 578, 600, 660 and 700 nm
Reagent tray	50 refrigerated positions (8-12°C) 5, 20, 50 ml reagent containers
Sample tray	39 positions: Outer ring – 30 position for samples Inner ring – 9 positions for blanks, standards, calibrators, controls and ISE solutions
Reagent dispensing	One dispensing probe with liquid-level sensor Dispensed volumes: R1 50-300 µl – adjustable in 1 µl step R2 10-200 µl – adjustable in 1 µl step
Minimal reagent volume	180 µl
Reaction tray	45 reusable hard glass cuvettes, optical path length 5 mm
Mixing system	Independent stirrer
QC	Levey-Jennigs charts, Westgard rules
Barcode reader	Built-in barcode reader for samples and reagents
Water consumption	Maximum 6 litres/hour
PC requirements	Operating system: MS Windows XP or MS Windows 7, Pentium 4, RAM 2 GB, HDD 200 GB
Power supply	220 V ± 10 %, 50 Hz ± 5%, 600 VA
Dimensions, weight	810 mm (w) x 800 mm (d) x 1 160 mm(h), 120 kg



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Optimal solution for small and medium laboratories



XL200

Available automation of clinical chemistry analysis

DISPENSING OF SAMPLES AND REAGENTS

- Sample volume: 2-70 µl (in 0,1 µl step)
- Reagent volume: R1 50-300 µl (in 1 µl step), R2 10-200 µl (in 1 µl step)
- Dispensing probe equipped with liquid -level sensor and crash detector
- Auto-dilution of samples and calibrators

ECONOMY

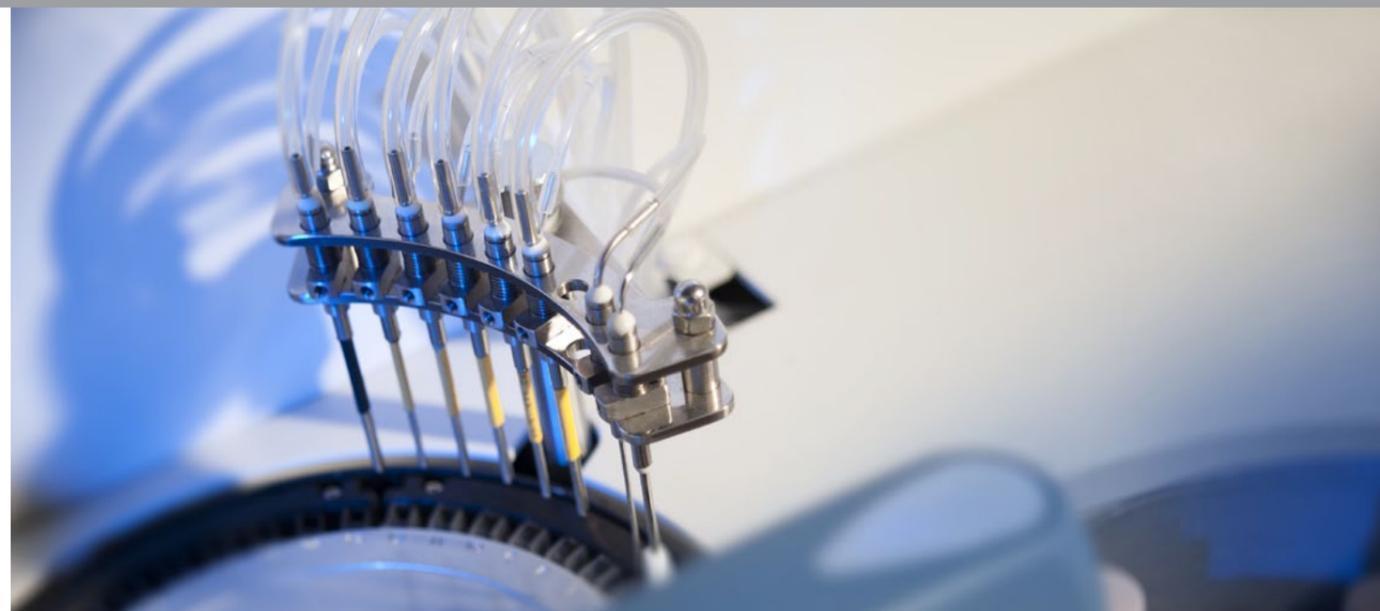
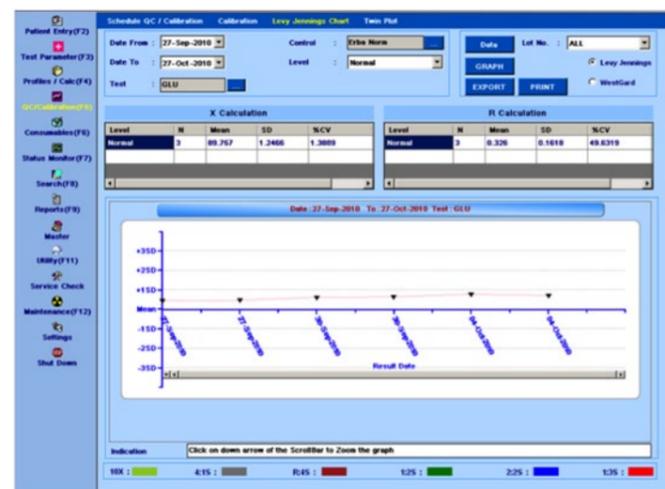
- Minimum reaction volume: 180 µl
- Reusable reaction cuvettes

MIXING SYSTEM

- Independent stirrer
- 3 user selectable mixing speeds

QUALITY CONTROL

- 4 levels of control material can be used
- Levey-Jennings graphs
- Twin Plot diagrams for monitoring of systematic and random error



REACTION UNIT

- 45 reusable hard glass cuvettes
- Possibility of replacement of individual cuvette
- Wash station – cuvette rinsing and drying in 8 steps
- Automatic cuvette blank measurement before analysis
- Reaction temperature 37°C ± 0,2°C

SAMPLE TRAY

- 39 positions for samples, blanks, standards, calibrators, controls and ISE solutions
- Primary tubes 5, 7 and 10 ml and cups
- STAT sample with priority in any position
- Possibility of programming up to 99 virtual trays



REAGENT TRAY

- 50 positions, 20 ml, 50 ml reagent containers, 5 ml tube with adaptor)
- Reagent compartment with Peltier/air cooler (8-12°C)
- Option to use one reagent for several tests simultaneously

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 reports on ongoing analyzer status

