



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<br>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:<br>Outer ring – 30 position for samples<br>Inner ring – 9 positions for blanks, standards, calibrators, controls and ISE solutions     |
| Reagent dispensing             | One dispensing probe with liquid-level sensor<br>Dispensed volumes: R1 50-300 µl – adjustable in 1 µl step<br>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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Contact info / map



## 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

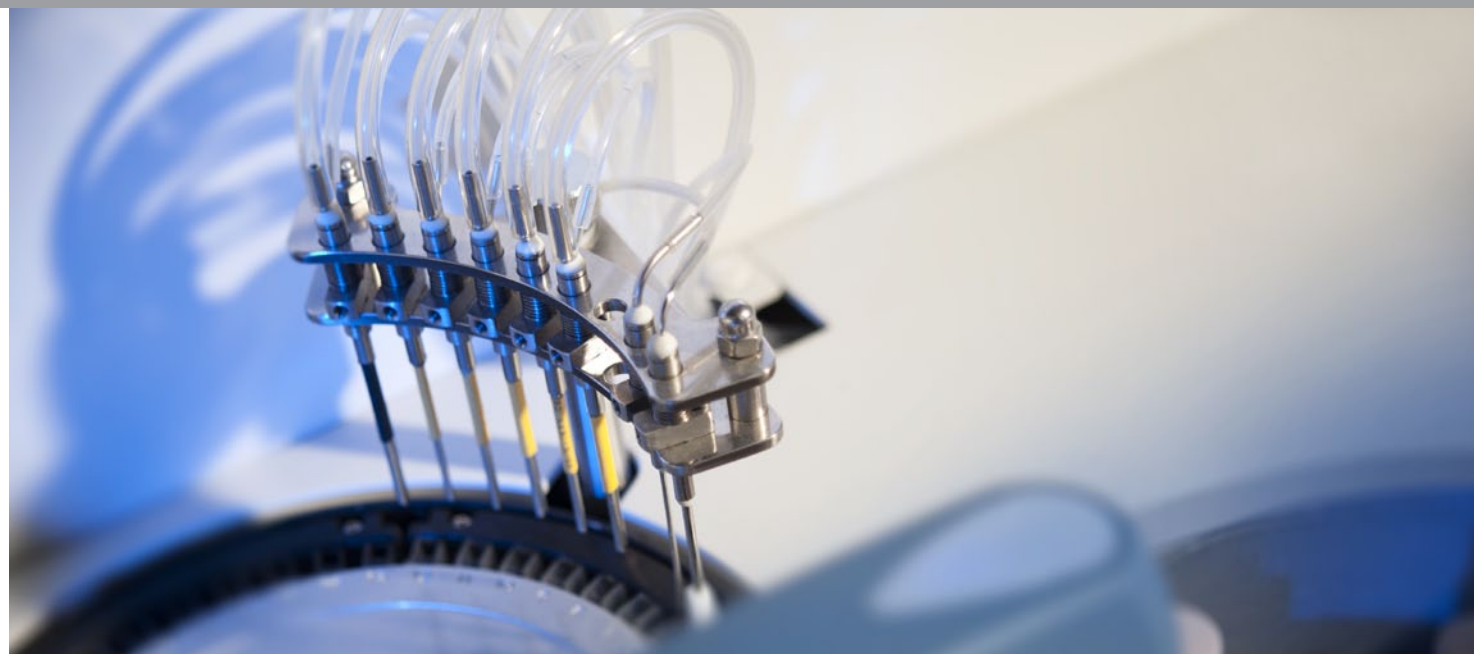
- Minimum reaction volume: 180 µl
- Reusable reaction cuvettes

### 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

