XL1000

Erba Mannheim

User friendly solution for big laboratories

TECHNICAL SPECIFICATION

Throughput	800 tests/hour (1040 tests/hour with ISE)
System type	Discrete, open, automated, random access, patient prioritized, 1/2/3 reagent system
Sample	Serum, Urine, Plasma, CSF, Other
Measurement principle	Latex Turbidimetric Immunoassay Turbidimetric Immunoassay Colorimetry (Rate/end point) Direct Potentiometry (for ISE)
Applicable analytes Photometric assays	Enzyme, lipid, protein, sugar, nitrides, inorganic substances, complements and others Turbidimetric Immunoassays
Positions	Reagent 1 tray and Reagent 2 tray: 43 position each for 50 ml, 20 ml bottles and 5ml with adapter
Programmable parameters	No limit on Test parameters or Calculation items
Assay modes	1-Point 2-Point Rate-A Rate-B
Sample volume	2-60 µl (adjustable in 0.1 µl step) for Biochemistry,70 µl (fixed) for ISE
Reaction volume	120µl to 550 µl
Reaction temperature	37 °C
Calibration	Maximum 44 Calibrators One point to multipoint calibration is possible
Barcode identification	Sample Rack, Sample container, Reagent
Water consumption	25 liters/hour (approx)
Quality control	QC Levey-Jennigs graphs, Westgard rules
Safety mechanism	Sample clot detection
PC – Host computer	TCP/IP & RS-232C ISE Unit 4 Channel Electrolyte measurement unit (for Na, K, Cl, Li)

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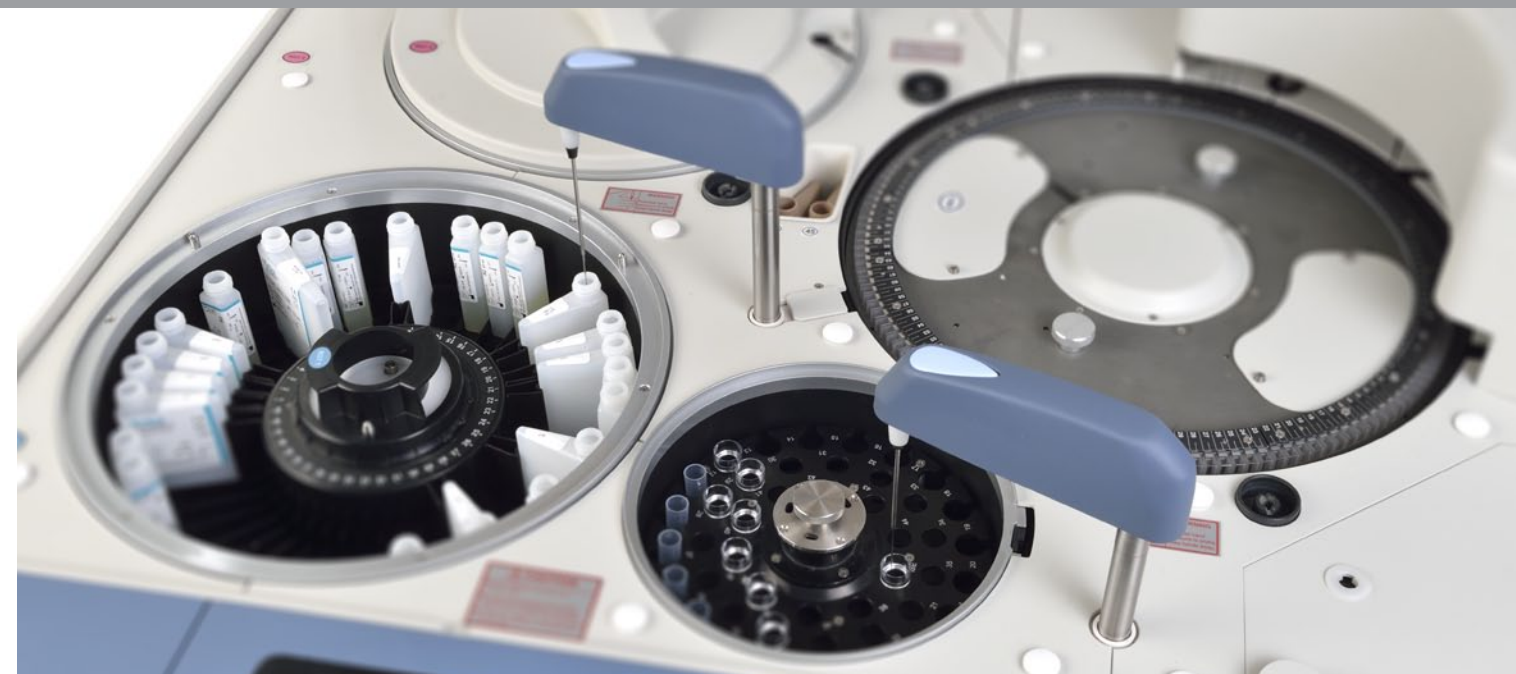www.erbalachema.com

Contact info / map

Clinical Chemistry Analysis
Easily, Quickly, Efficiently

XL1000

DISPENSING OF SAMPLE AND REAGENT

- Sample volume:
  2-60 μl (0.1 μl step), 70 μl with ISE
- Reagent volume: 120 μl – 550 μl
- 3 dispensing probes (R1, R2/R3)
  equipped with liquid - level sensor
  and crash detector
- Auto-dilution of samples and calibrators
- Clot detection
- Sample autoloader
  - 23 racks
  - 115 sample positions
    on automatic autoloader
  - Primary tubes 5, 7 and 10 ml,
    vacuum system tubes
  - Barcode reader
    for sample identification

SAMPLE AUTOLOADER

- 23 racks
- 115 sample positions
  on automatic autoloader
- Primary tubes 5, 7 and 10 ml,
  vacuum system tubes
- Barcode reader for sample identification

2 REAGENT TRAYS

- 2x 43 cooled positions
- System packs: 50 ml, 20 ml
  and 5 ml (adapter)
- Barcode reader for easy identification

REACTION TRAY

- 145 hard glass reaction cuvettes
- Mixing system with 3 speed levels
- Wash station: cuvette rinsing & drying
- Automatic cuvette blank measurment
  before analysis

STAT TRAY

- 45 positions
- Can be used for blank,
  controls, STAT samples

QUALITY CONTROL

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

SOFTWARE

- Convenient user interface
- Connection to LIS
- Programmable auto-start from sleep mode
  including automatic daily maintenance
- Statistical methods of processing results
- Data export in selected format

MEASUREMENT MONITORING

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