

TECHNICAL SPECIFICATIONS

SYSTEM TYPE

Discrete, automated, random access, patient prioritized, 1/2/3 reagent system

THROUGHPUT

800 photometric tests/hour
1040 tests/hour with ISE

MEASUREMENT PRINCIPLE

End Point(s), Rate(s), Turbidimetric and Latex Enhanced Immunoassays, Direct Potentiometry (ISE)

SAMPLE TYPE

Serum, plasma, blood, urine, CSF, other biological fluids

APPLICABLE ANALYTES PHOTOMETRIC ASSAYS

Enzymes, lipids, proteins, sugars, nitrides, inorganic substances, complements, immunoassays and others

REAGENT TRAY

Reagent 1 tray and Reagent 2 tray: 43 position each for 50 ml, 20 ml vials and 5 ml with adapter

PROGRAMMABLE PARAMETERS

No limit on Test parameters or calculated tests

ASSAY MODES

1-Point
2-Point
Rate-A
Rate-B

SAMPLE VOLUME

2-60 μ l (adjustable in 0.1 μ l step) for Biochemistry, 70 μ l (fixed) for ISE

REACTION VOLUME

150 μ l to 550 μ l

REACTION TEMPERATURE

37 °C

CALIBRATION TYPE

Linear (one point, multi point), exponential, polynomial, factor, spline, Logit-Log 4P, Logit-Log 5P

WATER CONSUMPTION

Up to 25 litres/hour

QUALITY CONTROL

Levey-Jennigs graphs, Westgard rules

SAFETY MECHANISM

Sample clot detection

BARCODE IDENTIFICATION

Sample Rack, Sample container, Reagent

PC REQUIREMENTS

Operating system: Up to Win 10, Pentium Core 2 Duo, RAM 2 GB or above, HDD 200 GB, resolution 1024 x 768



CLINICAL CHEMISTRY ANALYSER.
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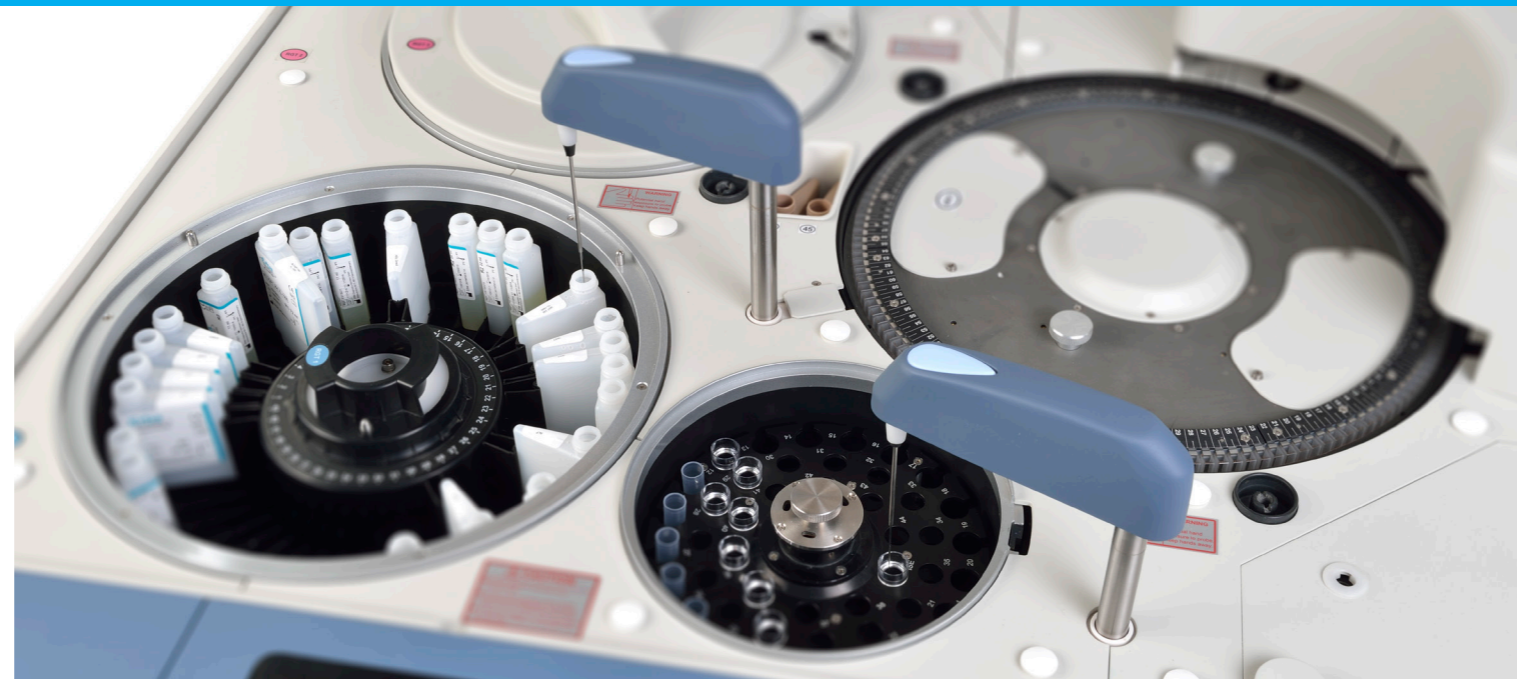
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DISPENSING OF SAMPLE AND REAGENT

- Sample volume:
2-60 μl (0.1 μl step), 70 μl with ISE
- Reaction volume: 150 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

2 REAGENT TRAYS

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

REACTION TRAY

- 147 hard glass reaction cuvettes
- Mixing system with 3 speed levels
- Wash station: cuvette rinsing & drying
- Automatic cuvette blank measurement
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
- Option of monitoring
the reaction in real time
- Reagent volume monitoring
- Informative reports on ongoing
analyser status

