

Technical Specifications

System General

System Type	: Discrete, automated, random access, patient prioritized clinical chemistry analyzer
Throughput	: 200 tests / hour photometric and 400 tests / hour with ISE* (*optional ISE with Na, K, Cl, Li)
Analytical Methods	: 1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry (optional)
Barcode Reader	: For reagents and samples (optional)
Reaction Tray	: 45 hard glass cuvettes
Reaction Mixing	: Stirrer with variable speed
Reading Volume	: 180 µl
On-board Laundry	: 6 stage cleaning, 2 stage drying
Photometer	: Static photometer
Optics	: 8 filters (340, 405, 505, 546, 578, 600, 660, 700 nm)
Absorbance Range	: 0.0 - 3.0
Light Source	: Tungsten Halogen Lamp
Detector	: Silicon photo-diode
Water Consumption	: <7 litres
Power Requirement	: AC 220 V ± 10 %, 50 Hz or AC 110 V ± 10 %, 60 Hz
Power Consumption	: 600 VA
Dimension	: Approx. 810 mm (W) x 800 mm (D) x 600 mm (H)
Weight	: Approx. 120 kgs.

Sample Handling

Sample	: Serum, Plasma, Urine, CSF, others
Sample Unit	: 39 positions for samples / blank / controls / calibrators / STAT sample
Sample Pipetting	: 2 - 70 µl (adjustable in 0.1 µl step) for Biochemistry, 70 µl fixed for ISE Capacitance probe with liquid level sensing & vertical obstruction detection
Sample Tubes /Cups	: Primary tubes of 5 ml, 7 ml, 10 ml and sample cups

Reagent Handling

Reagent Tray	: 50 cooled reagent positions
Reagent Pipetting	: R1 : 50 - 300 µl (adjustable in 1 µl step) R2 : 0 or 10 - 200 µl (adjustable in 1 µl step) Capacitance probes with level sensing & vertical obstruction detection

User Interface

System Interface	: Analyzer-PC: RS- 232 C Serial Port; USB PC - Host Computer: TCP / IP & RS - 232 C PC - Printer: USB (2 ports)
Operating System	: Windows Based
Programmable Parameters	: Default system pack parameters + upto 10 user defined parameters
Quality Control	: QC Plot data with QC rules. Provision for lab mean
Calibration	: One point to multipoint calibration possible. K-Factor, Linear (1, 2 point & multipoint), 4P and 5P Logit-log, cubic spline, exponential, polynomial, on-board serial dilution
Database	: Unlimited Results

Specifications are subjected to change without prior notice.

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EM 200[®]

Fully Automated Random Access Clinical Chemistry Analyzer



THE FIRST CHOICE FOR A MID-SIZE LABORATORY



MULTITUDE OF BENEFITS

With the introduction of EM 200, biochemistry automation is now within the reach of every clinical laboratory. Its rugged hardware & array of features make it an ideal choice for start-up, mid-sized and advanced labs. The system is convenient and user-friendly.

Extensive Test Menu

- All routine Clinical Chemistry profiles such as LFT, KFT, Lipids, Diabetic, etc.
- Specialized chemistries such as HbA1c, ADA, Apo(A), Apo(B), Lp(a), etc.
- Immunospectrometric Assays such as ASO, RF, CRP, etc.



Bench Top Model



Accurate Results

Unique Static Photometry technology prevents interference from lights of other wavelengths or signals. This ensures steady reading and accurate results.



Environment Friendly

EM 200 uses permanent hard glass cuvettes that reduce plastic usage and save cost.



Cost saving

Uses minimal reagents with a reading volume of 180 µl.



Consistent Performance

8 stage on-board laundry to eliminate contamination and ensure accurate results.



Quality and Service

An uptime of 97% and fast Turnaround Time (TAT) for improved workflow. Efficient round the clock after-sales support.

Offering Total Solutions

Reagents

Flexibility to choose the right pack size for variable work loads:

- Erba XL system packs
- Small system packs
- ITA system packs



Calibrators

- XL Multical
- ADA Cal
- HbA1c Cal

Software

- Multi XL

Controls

- Erba Norm / Path
- HbA1c Con L / H
- ASO/CRP/RF Con L / H
- Multicon L1 / L2
- Microalbumin Con
- ADA Con
- EMQAS (External control program)
- Basic / Advanced / Plus (6 & 12 months)

