

EM 200[®]

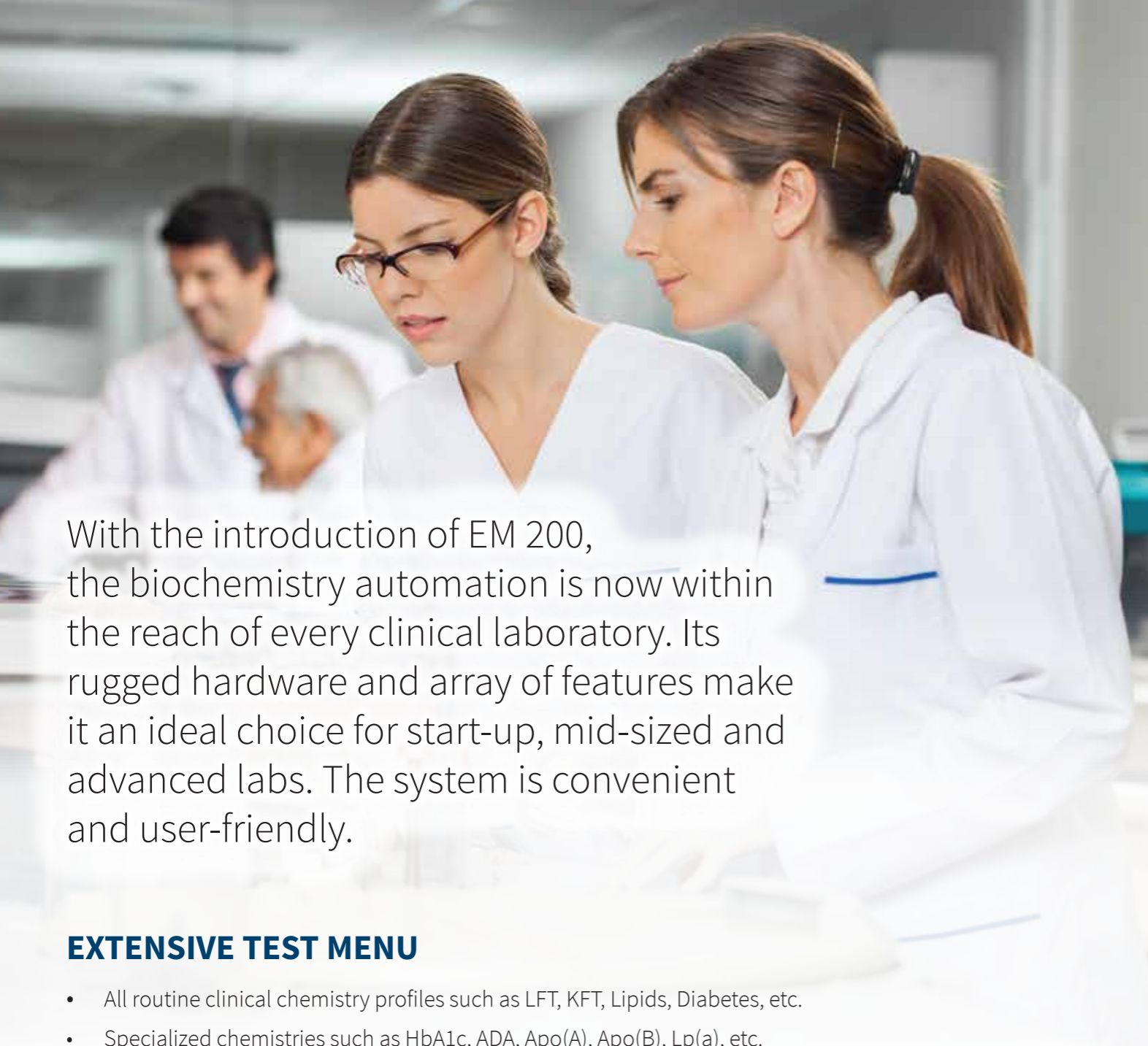
Fully Automated Random Access
Clinical Chemistry Analyzer



Bench-top Model

The **FIRST CHOICE** for a
MID-SIZE LABORATORY





With the introduction of EM 200, the biochemistry automation is now within the reach of every clinical laboratory. Its rugged hardware and 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, Diabetes, etc.
- Specialized chemistries such as HbA1c, ADA, Apo(A), Apo(B), Lp(a), etc.
- Immunospectrometric assays such as ASO, RF, CRP, etc.

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
- HbA1c Set

CONTROLS

- Erba Norm and Path
- HbA1c L and H
- ASO / CRP / RF L and H
- Microalbumin
- ADA

EMQAS (External control program) - Basic / Advanced / Plus (6 & 12 months)



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)

OD Range:

0.0 - 3.0

Light Source:

Halogen lamp

Detector:

Silicon photo-diode

Water Consumption:

<7 litres

Programmable Parameters:

Default system pack parameters + upto 99 user defined parameters, Unlimited profiles and unlimited calculation items

Quality Control:

QC plot data with QC rules. Provision for lab mean. Twin plot

Calibration:

K-Factor, Linear (1, 2 point & multipoint), 4P and 5P Logit-log, cubic spline, exponential, polynomial, On-board serial dilution of calibrator

Power Requirement:

AC 220 V ± 10 %, 50 Hz or AC 110 V ± 10 %, 60 Hz

Power Consumption:

600 VA

Dimension: (mm)

Approx. 810 (W) x 800 (D) x 600 (H)

Weight:

Approx. 120 kgs.

SAMPLE HANDLING

Sample:

Serum, Plasma, Urine, CSF, whole blood, 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

Auto Rerun:

Repeat with same, increased or decreased volume (upto 1:150)

Sample Tubes /Cups:

Primary tubes of 5 ml, 7 ml, 10 ml and sample cups

REAGENT HANDLING

Reagent Tray:

50 positions for reagent with on-board cooling

Reagent Pipetting:

R1 : 50 - 300 µl (adjustable in 1 µl step)
R2 : 0 or 10 - 200 µl (adjustable in 1 µl step)

Capacitance probe with liquid level sensing & vertical obstruction detection

SYSTEM INTERFACE

Analyzer-PC: USB

PC - Host Computer: Bidirectional TCP / IP & RS - 232

PC - Printer: USB

Operating System: Windows Based

Database:

Unlimited Results

Specifications are subjected to change without prior notice. (*Optional ISE with Na⁺, K⁺, Cl⁻, Li⁺ available on request at cost)

Transasia - Erba Group

Global Footprint



India Advantage

NO.1 IVD COMPANY IN INDIA

70000+ Installations



Customer Support
Least downtime



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