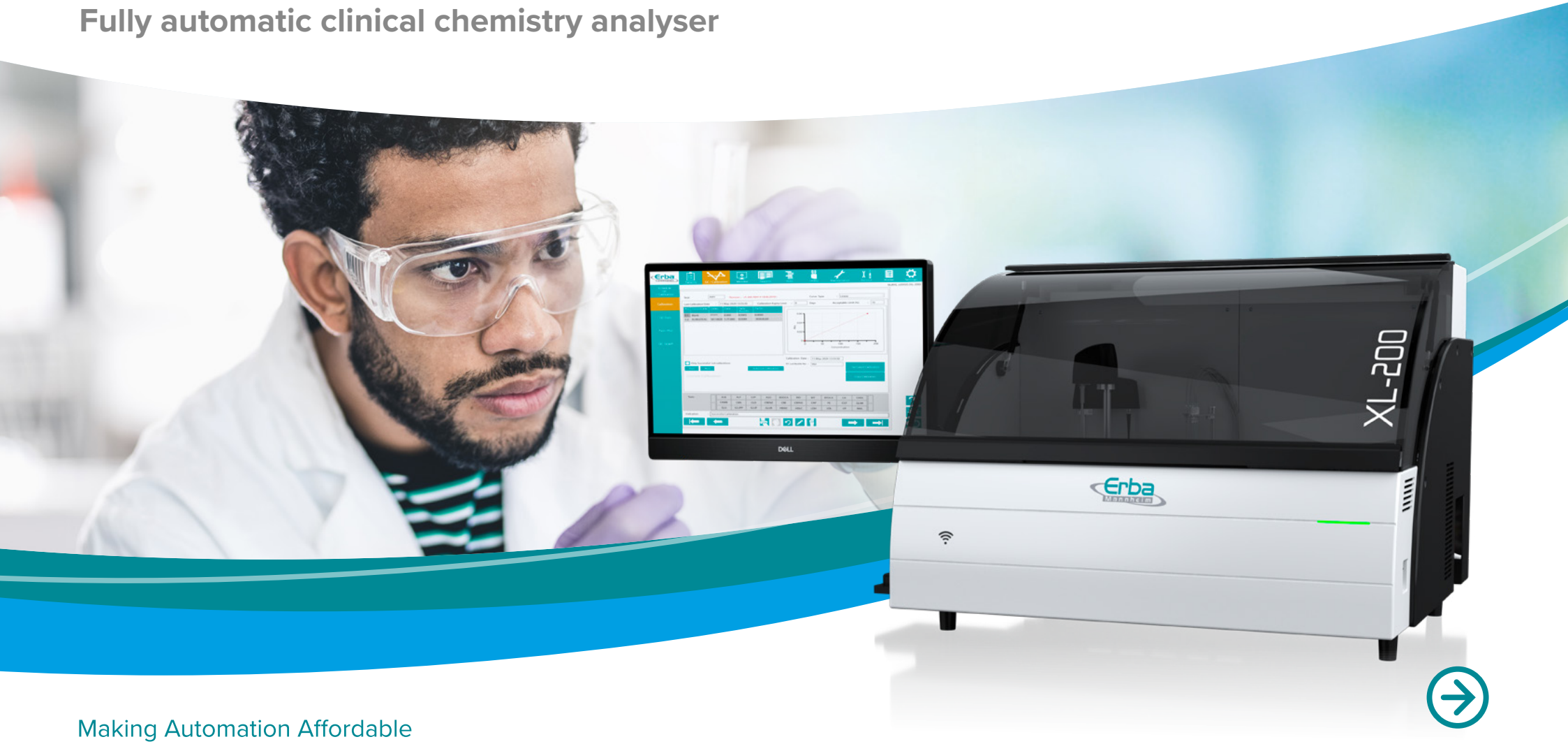
MEET THE XL-200

Fully automatic clinical chemistry analyser



Making Automation Affordable
for Labs Everywhere

www.erbamannheim.com

Fully automatic clinical chemistry analyser

Ideal for small and medium size clinical laboratories with 30–70 samples/day.

With a new intuitive and powerful software with a user-friendly interface, and easy handling and control, the new version of analyser XL-200 offers various functions which simplifies the laboratory work.

The equipment is LIS-connected and can efficiently process and graphically display samples.

It enhances productivity and turnaround time and can comfortably handle the demands of an increased workload.

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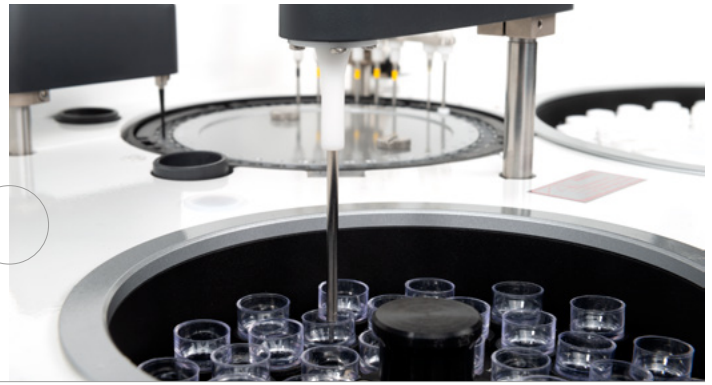
Key features of XL-200

Accessible

ENHANCES PRODUCTIVITY AND TURNAROUND TIME

Especially designed to be accessible to healthcare facilities and laboratories all over the world, the analyser XL-200 serves as a basic and backup system. Along with its wide portfolio of reagents especially designed for XL instruments range, it becomes the best modern equipment for small-sized and expanding laboratories



Reliable

MAXIMUM ACCURACY IN THE LABORATORY RESULTS

45 hard-glass cuvettes to ensure the most precise measurements

All components are made of solid materials to ensure precise measurement results with the highest sensitivity and linearity

Probe with clot detection. Reagent probe detects the blockage due to obstacle or sample clot

Effective

HIGH PERFORMANCE AND EFFICIENCY

Throughput: 200 tests/hr (400/500 with ISE)

50 refrigerated positions for reagents

Only 5 minutes warm-up time from Stand-by

Automatic washing system. 7 steps operation to ensure cuvettes ready to use

Technical Specifications

System Type

Benchtop automatic clinical chemistry analyser – random access system, STAT samples processing

Throughput

200 photometric tests/hour for cycle time of 18 seconds

400/500 test/hour with ISE (optional)

Sample Type

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

Measurement Principle

Turbidimetric Immunoassay, Colorimetry (Rate/End Point), Ion Selective Electrodes

Assay Modes

Endpoint, 2-points, Fixed Time, Kinetics, ISE (direct potentiometry)

Sampling Unit

Sample Volume: 2–70 µl (adjustable in 0.1 µl step)

STAT samples: Place anywhere on the Sample Disk

Sample Disk: Outer Most Track: 15 positions for placing barcode tubes

Middle Track: 15 positions for placing barcode tubes

Innermost Track: 9 positions for placing Sample and Standard cups without barcode

Reagent Unit

Reagent Volume:
R1: 50–300 µl (adjustable in 1 µl step),
R2: 0 or 10–200 µl

Reagent Temperature:
8 + 4 °C cooled with refrigeration unit

Reagent Bottles:
25 positions for placing 20 mL bottles
25 positions for placing 50 mL bottles

Reagent Dispensing:
Pipetting system with plunger, driven by stepping motor

Reaction Unit

Reaction Tray:
45 reusable hard glass cuvettes, optical path length 5 mm

Reaction Volume: 180–550 µl

Mixing System:
Immersion. Single mixer with 3 variable mixing speeds

Cuvette Washing:
Automatic in 7 washing operation steps

Barcode Identification

Built-in barcode reader for sample tubes and reagents

Safety Mechanism

Vertical obstruction detection.
Sample clot detection

Optical System

Type: Diffraction spectrophotometer with 8 wavelengths: 340, 405, 505, 546, 578, 600, 660 and 700 nm

OD range: 0–3
Light source: Halogen lamp
Detector: Silicon photo-diode array

Calibration Type

K-Factor, Linear (one point, point-to-point), Multipoint (Exponential, Polynomial, Cubic Spline, Logit-Log 4P, Logit-Log 5P)

Quality Control

QC statistics for Serum & Urine parameters

Graphs based on Westgard QC Rules

Water Consumption

Less than 7.5 litres/hour

Computer Specifications

Processor: Intel Core i3 (or higher)

Operating System:
Windows 10 Professional 32/64

USB Ports: 6 (minimum)

Memory RAM: 4 GB minimum

Disk Space: 500 GB minimum

Power Source

AC 220 V + 10%, 50 + 1 Hz or AC 110 V + 10%, or 60 + 1 Hz

Power Consumption: 1000 VA

Ambient Temperature

15–30°C

Relative Humidity

40–80 %

Dimensions

810 mm (w)

700 mm (d)

600 mm (h)

Weight

120 Kg

Dedicated Reagents on XL Instruments

				Pack Size		
				R1	R2	Test/Kit
Cat No.	Pack Name	Product Name	Method	Vials × Vol (mL)		XL200
XSYS0001	ALB 440	Albumin	BCG	10 × 44		2000
XSYS0002	ALP 110	Alkaline Phosphatase	IFCC, AMP	2 × 44	2 × 11	500
XSYS0003	AMY 110	Alpha Amylase	CNPG3	5 × 22		500
XSYS0017	ALT/GPT 330	ALT/GPT	Modified IFCC	6 × 44	6 × 11	1500
XSYS0102	Apo A	Apolipoprotein A	Latex Immunoturbidimetry	2 × 28	2 × 7	200
XSYS0103	Apo B	Apolipoprotein B	Latex Immunoturbidimetry	2 × 21	2 × 6	200
XSYS0046	ASO	Antistroptolysin (O)	Immunoturbidimetry	2 × 40	2 × 10	400
XSYS0016	AST/GOT 330	AST/GOT	Modified IFCC	6 × 44	6 × 11	1500
XSYS0028	BIL D 330	Bilirubin Direct	Walter & Gerard	6 × 44	6 × 11	1200
XSYS0086	BIL D DCA 330	Bilirubin Direct DCA	With DCA	6 × 44	6 × 11	1500
XSYS0023	BIL T 330	Bilirubin Total	Walter & Gerard	6 × 44	6 × 11	1500
XSYS0087	BIL T DCA 330	Bilirubin Total DCA	With DCA	6 × 44	6 × 11	1500
XSYS0007	CA 120	Calcium	Arsenazo	10 × 12		500
XSYS0008	CL 120	Chloride	Mercuric Thiocyanate	10 × 12		500
XSYS0009	CHOL 440	Cholesterol	CHOD POD	10 × 44		2000
XSYS0100	CO2	Bicarbonate (with CAL)	Enzymatic	4 × 34	Std 1×5	600
XSYS0047	CRP	C-Reactive Protein	Immunoturbidimetry	2 × 40	2 × 10	400
XSYS0084	CRP-HS	C-Reactive Protein HS	Immunoturbidimetry	2 × 40	2 × 8	300
XSYS0024	CREA 275	Creatinine	Jaffe	5 × 44	5 × 11	1250
XSYS0085	CREA ENZ 200	Creatinine Enzymatic	Enzymatic	5 × 30	5 × 10	750
XSYS0022	CK 110	Creatinine Kinase	IFCC & DGKCH	2 × 44	2 × 11	500
XSYS0029	CK MB 110	Creatinine Kinase MB	Immunoinhibition	2 × 44	2 × 11	500
XSYS0011	GGT 110	Gamma-Glutamyl Transferase	SZASZ	2 × 44	2 × 11	500
XSYS0012	GLU 440	Glucose	GOD POD	10 × 44		2000
XSYS0095	GLU HK 330	Glucose HK	Hexokinase	6 × 44	6 × 11 Std 1×4	1200
XSYS0096	HbA1c	HbA1c - 2R	Latex Immunoturbidimetry	2 × 21	2 × 7	200
XSYS0043	HDL C 160	HDL Direct	Direct Method PVS & PEG	4 × 30	4 × 10	600
XSYS0049	FE 125	Iron	Ferrozine	4 × 25	4 × 6,5	440
XSYS0101	FRTN	Ferritin	Latex Immunoturbidimetry	2 × 15	2 × 7,7	200
XSYS0013	LDH 110	Lactate Dehydrogenase - P	DGKCH	2 × 44	2 × 11	500
XSYS0044	LDL C 80	LDL Direct	Direct Method PVS & PEG	2 × 30	2 × 10	300
XSYS0081	LIP 110	Lipase	Enzymatic, colorimetric	2 × 44	2 × 11	500
XSYS0040	MG 88	Magnesium	Xylidyl Blue	2 × 44		400
XSYS0083	MAL	Microalbumin	Immunoturbidimetry	2 × 30	2 × 6,3	300
XSYS0027	MP 120	Microprotein	Pyrogallol Red	10 × 12	Std 1×5	500
XSYS0015	PHOS 120	Phosphorus	UV Phosphomolybdate	10 × 12		500
XSYS0048	RF	Rheumatoid Factor	Immunoturbidimetry	2 × 40	2 × 8	400
XSYS0018	TP 440	Total Protein	Biuret	10 × 44		2000
XSYS0041	TG 440	Triglycerides	GPO	10 × 44		2000
XSYS0050	UIBC 125	UIBC	Ferrozine	4 × 25	4 × 6,5 Std 1×4	440
XSYS0020	UREA 275	Urea	Urease GLDH	5 × 44	5 × 11	1250
XSYS0021	UA 275	Uric Acid	Uricase	5 × 44	5 × 11	1000
XSYS0042	UA 440	Uric Acid	Uricase	10 × 44		2000

We are an emerging player in in-vitro diagnostics, with a global footprint. Our mission is to make automation affordable for labs everywhere.

Providing hospitals and labs with a full range of diagnostic instruments, reagents and support services in more than 100 countries, our focus is on improving health outcomes in developing nations.

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bsi ISO 13485 Quality Management for Medical Devices CERTIFIED

CE 2797

The Devices are in compliance with the IVDR requirements of CE marking
Ref: 30.005/2024/1/EN