XL-180

Fully Automated Random Access Clinical Chemistry Analyzer

Erba Mannheim®

TECHNICAL SPECIFICATION

System Type	Discrete, open, automated, random access, patient prioritized, 1 or 2 Reagent, Bench top system
Throughput	180 Photometric tests/hour & 400 tests/hour with ISE (optional)
Assay modes	1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry
Onboard tests	42 test items maximum + 4 ISE (optional Na , K ,Ci , Li) 25 positions fixed for Reagents 15 flexible (Reagent/Sample) 2 Rgt/Dil positions at Room Temperature
Programmable parameters	Unlimited test parameters Unlimited calculation items Unlimited Profiles
Sample container	Primary tube 7 ml (14.5 x 84 mm) or 5 ml (13 x 75 mm) Cup: Standard cup 2 ml Adaptors will be provided for all types
Sample volume	2-70 µl (adjustable in 0.1 µl step)
Reaction volume	180 µl
Reagent dispensing	10-300 µl (adjustable in 1 µl step)
Photometric system	Multi-wavelength static photometer
Wavelengths	8 wavelengths (340, 405, 505, 546, 578, 600, 660 & 700 nm)
Mixers	Separate dedicated mixer -3 Levels Slow/Medium/High
Dimensions, weight	675 mm (w) x 450 mm (d) x 300 mm (Working h), 65 kg
Safety mechanism	Vertical obstruction detection Capacitance based liquid level sensing
QC menu	Unlimited number of controls
Sample placement	Sample cum Reagent tray: Max No of Samples: 25 Nos Fixed Sample Position: 10 Nos Flexible Sample/Reagent position 15 Nos.
Water consumption	Approx 1.8 liters/hour
STAT samples	To be placed in any of the 25 positions on the outer rim
Reaction unit	Reaction tray: Semi Disposable PMMA Rotor Number of reaction cuvettes: 120 with 5 mm path length
Dimensions	675 (W) x 450 (D) x 300 (Working H) mm
Weight	Approximately 65 kg
Power supply	AC 220 V.+ 10%, 50/60 Hz or AC 110 V + 10% 50/60 Hz (600 VA including PC & Printer)

NEW

XL-180

Erba Mannheim

Optimal solution for small and medium laboratories

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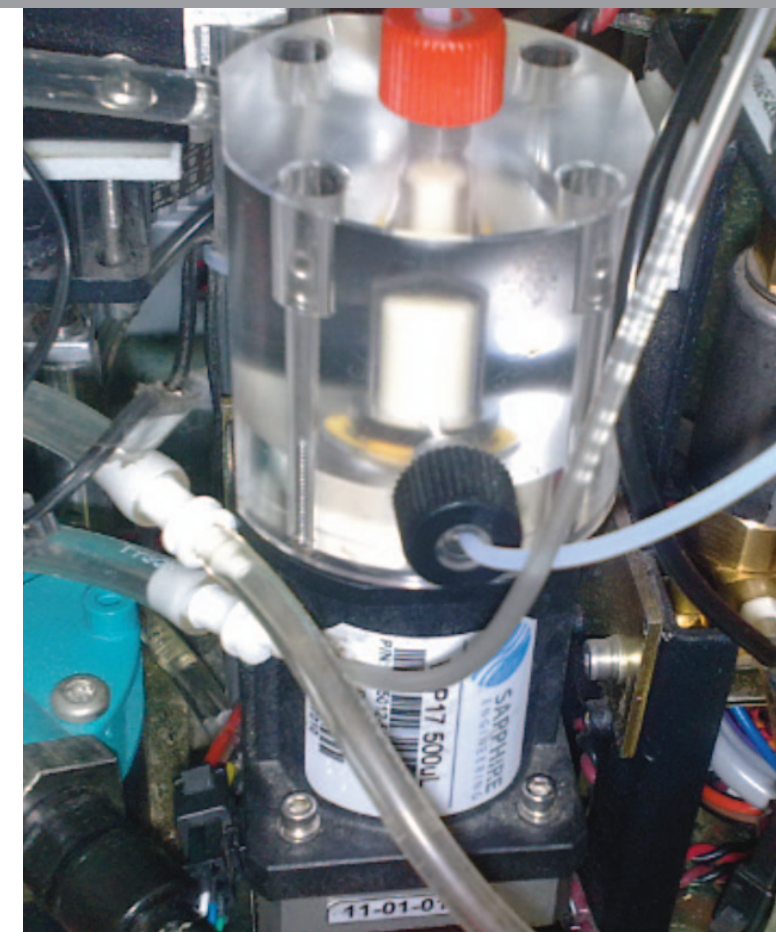E-mail: diagnostics@erbalachema.com
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XL-180

- Fully automated, Random access, Discrete Clinical Chemistry Analyzer
- Complete open system provides flexibility to program infinite protocols
- Throughput of 180 photometric tests/hour & 400 tests/hour with ISE (optional)
- Requires only 180 µl reagent volume with sapphire syringe
- Onboard cooling for reagents
- Primary tube sampling with option of sample cup
- Static photometer with 8 multi-Wavelengths ranging from 340 to 700 nm
- Probe with pre-heating facility
- Dedicated mixer with variable speed: Low, Medium and High
- Inbuilt Barcode reader for samples and reagents
- Re-usable cuvettes

- Probe with vertical obstruction detection, liquid level sensing
- Multiple assay modes: 1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry (optional)
- Multiple calculation modes such as linear, non-linear, multipoint etc.
- Extensive Q.C Program Levy-Jenning curve and QC rules
- Unlimited data storage
- Windows operating mode with intuitive user interface
- Lamp saving facility enhances lamp life
- Real time monitoring of reaction curve
- Auto dilution and auto rerun facility
- Flexibility for STAT samples
- Wide test menu: routine chemistry, special chemistry, Immunoturbidimetric tests & ISE (optional)
- Direct patient reportable format and printout with user defined option

Advanced HARDWARE

XL-180 is the comprehensive solution for your clinical diagnostic needs. It is designed to offer you the convenience, flexibility in operations and good quality reports. Rugged architecture, precise optical system, distinct features makes it right analyzer for you.

User-Friendly SOFTWARE

XL-180 comes with a simple, easy to operate yet efficient software. The instrument is piloted by a powerful software which guides the system through all the steps of the assay procedure, optimizes faster processing of samples & graphically represents the data.