XL-1000

Fully Automated Random Access Clinical Chemistry Analyzer

Floor Model

MADE IN INDIA

Approved on
GeM
Government
e Marketplace

C E

UL
REGISTERED FIRM
Transasia Bio-Medicals Ltd.
A15777 ISO 13485 & ISO 9001

UKAS
QUALITY
MANAGEMENT
4426

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CLOUD-BASED SERVICE

Integrated Internet of Things (IoT) sensors to enhance efficiency.

CONVENIENCE

Continuous sample loading through rack system for convenience and flexibility.

FLEXIBILITY

Option to use single, double and three reagent chemistries.

REFLEX TESTING

Reflex testing for related and more specific tests.

ACCURATE SAMPLING

Clot detection flags to ensure accurate sampling.

ENVIRONMENT FRIENDLY

Permanent hard glass cuvettes eliminate recurring cost of disposable cuvettes and avoid plastic usage.

Floor Model

ACCURATE RESULTS

High resolution, optically corrected, diffraction grating with 15 wavelengths from 340 nm – 800 nm ensures high degree of photometric accuracy for the entire clinical chemistry range.

CAPACITANCE PROBE

Capacitance probes with liquid level sensing and Vertical Obstruction Detection (VOD) ensure accurate level detection, thereby protecting the probes from potential damage.

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XL-1000 is an ideal solution to meet the clinical chemistry demands of modern laboratories. With a throughput of upto 1040 tests/hr (800 tests/hr photometric and 240 tests/hr ISE) leading to faster Turnaround Time (TAT), it is designed for increased efficiency.

Its robust hardware and sophisticated software offers extensive capacity for storing patient and QC data and minimizes human intervention, making it a complete walk away system. Its sophisticated and user-friendly software, provides real-time updates, prompting timely intervention and minimizes downtime.

EXTENSIVE TEST MENU

- All routine clinical chemistry tests
- Immunoturbidimetric assays such as ASO, RF, CRP, etc.
- Therapeutic drug monitoring tests
- Specialized chemistries such as HbA1c, ADA, Apo(A), Apo(B), Lp(a), 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

CONTROLS:

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

CALIBRATORS:

- XL Multical
- ADA
- HbA1c set

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, 1, 2, 3 reagent system

Throughput:
Upto 1040 tests/hr (800 tests/hr photometric and 240 tests/hr with ISE)

Analytical Methods:
1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry

Barcode Reader:
For reagents and samples

Reaction Tray:
147 hard glass cuvettes

Reaction Mixing:
Stirrer with variable speed

Reading Volume:
150 µl

On-board Laundry:
7 stage cleaning, 2 stage drying

Photometer:
Multi-wavelength diffraction grating with 15 wavelengths (340, 376, 405, 450, 480, 505, 528, 546, 570, 600, 628, 660, 700, 750 and 800 nm)

OD Range:
0.0 - 3.0

Light Source:
Tungsten halogen lamp

Detector:
Silicon photo-diode

Water Consumption:
<25 litres /hr

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 for calibrator

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

Power Consumption:
2000 VA.

Dimensions: (mm)
Approx. 1350 (L) x 1000 (D) x 1250 (H)

Weight:
Approx. 275 kgs.

SAMPLE HANDLING

Sample:
Serum, Urine, Plasma, CSF, whole blood, other.

Standard / STAT Carousal:
44 positions

Sample Rack:
Upto 150 samples can be placed simultaneously (excluding standards, calibrators & controls)

Sample Pipetting:
2 - 60 µl (adjustable in 0.1 µl step) for Biochemistry, 70 µl (fixed) for ISE Capacitance probe with level sensing, vertical obstruction detection, Clot detection and serum indices

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:
86 reagent positions with on-board refrigeration

Reagent Pipetting:
Two separate probes for R1, R2 & R3
R1: 60 - 300 µl (adjustable in 0.5 µl)
R2: 0, or 10 - 200 µl (adjustable in 0.5 µl)
R3: 0, or 10 - 200 µl (adjustable in 0.5 µl)
Capacitance probe with liquid level sensing & vertical obstruction detection

SYSTEM INTERFACE:

Analyzer - PC: RS - 232 C Serial Port

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

PC - Printer: USB

Operating system:
Windows based

Database:
Unlimited results

Transasia - Erba Group

Global Footprint

ERBA GERMANY
ERBA CZECH REPUBLIC
ERBA POLAND
ERBA RUSSIA
ERBA UK
ERBA IRELAND
ERBA FRANCE
ERBA USA
ERBA BRAZIL
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India Advantage

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