

balio

diagnostics



AX - 200

Biochemistry Analyzer

AX - 200

Biochemistry Analyzer 200 tests per hour

- ⊕ High performance reagent system
- ⊕ Up to 200 tests per hour
- ⊕ Low water consumption
- ⊕ 40 reagent positions
- ⊕ 40 sample positions
- ⊕ 9 wavelengths (340 nm - 700 nm)
- ⊕ Liquid level detection and tracing
- ⊕ Collision protection
- ⊕ Absorbance photometric and turbidimetry
- ⊕ 60 reusable reaction cuvettes

Easy to use

The analyzer has been developed in order to facilitate the laboratory daily work by a direct control of the modules and real time photometer management for each wavelength, both directly from the software. The AX - 200 also offers automatic control of the cuvettes and a maintenance free ceramic piston micropump considering placing ease of use as an important part of the instrument.

Economical

In order to optimize costs, the AX - 200 offers low reagents consumption thanks to its small reaction volume (180 μ L). Besides, the refrigeration system and its 40 refrigerated positions enable an excellent reagent stability. Always in order to answer to a logic of economic costs, reaction cuvettes are reusable during 6 to 12 months. To end, the analyzer consumes low volume of water (5 liters per hour).

Modern

The AX - 200 is directly piloted via one external computer (Windows 7 and 10) and offers internal and external samples and/or reagents barcode in option. Besides and in order to optimize data management, the analyzer offers one ATSM LIS bidirectional connection.



AX - 200

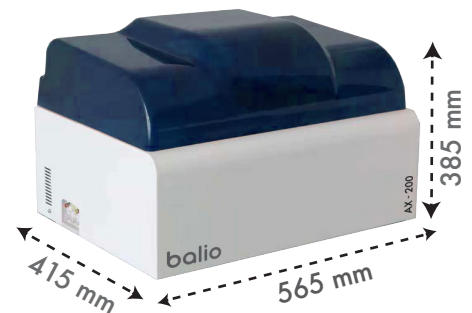


Small Size & Performance

- Reaction type : End point, fixed time 2 points, kinetic continuous, kinetic 2 points,
- Calibration type : linear, nonlinear (logis-logit 4P, logis-logit 5P, exponential, parabolic, Weibull, spine),
- Priority STAT at any time,
- Programmable blank deduction,
- Deduction of systematic reactive blank,
- Automatic dilution,
- Automatic reanalysis,
- Real-time visualization sample, reaction, reagent trays,
- Real-time visualization and saving of reaction curves,
- Levey Jennings diagram,
- Westgard rules programmable to each analysis.

Small Size & Accuracy

- Automatic cuvettes control,
- Systematic blank cuvettes and systematic reagent blank,
- Sensibility : 0,0001 ABS,
- Independent stainless steel pallet stirrer,
- Number of cleaning probes : 7 included 1 dedicated to drying,
- Hot water washing type and programmable detergent,
- Hydrophobic special steel needle and automatic cleaning inside and outside,
- No cross contamination.



Small Size & Traceability

- Number of lots and expiration dates traceability : reagents, controls and calibrators,
- Analysis and patients statistics,
- Financial statistics,
- Alarms management : linearity, kinetic linearity, sensibility, calibration, with historical and elements in real time.

Small Size & Security

- Capacitive effect level detection and lateral and vertical anti-collision system,
- Separate waste disposal for contaminated waste (reagents and samples).

AX - 200

TECHNICAL CHARACTERISTICS

THROUGHPUT.

Fully automated, discrete, random access, priority STAT sample,
Up to 200 tests per hour.

PRINCIPLES.

Absorbance photometric and turbidimetry.

METHODOLOGIES.

End-point, fixed time, kinetic,
Mono and bi-chromatic.

REAGENTS TRAY.

40 refrigerated reagent positions, including 1 detergent position and one dilution position. Barcode in option available.
Batch and expiration date management
R1 & R2 : 10 - 300 µL, with 1 µL increment,

SAMPLES TRAY.

40 refrigerated sample positions, including detergent, standard, QC, STAT positions. Barcode in option available,
Sample volume : 1.5 - 50 µL, with 0.1 µL increment,

REACTION TRAY.

60 reusable reaction cuvettes,
Minimum reaction volume : 180 µL,
Temperature control Incubator 37°C +/- 0.1,
Batch and expiration date management

REFRIGERATION.

On-board cooling for reagents, samples, calibrators, standards, control with ON-OFF switch.
24 hours non-stop cooling system to ensure reagent at 2-8°C.

LIGHT SOURCE.

Halogen-tungsten lamp with long life, 12V, 20W.

WATER CONSUMPTION.

5 liters per hour under working status

CLEAN UNIT.

8-step auto-washing system with detergent.

WAVELENGTH.

340, 405, 450, 492, 510, 546, 578, 630, 700 nm

PHOTOMETRY & RESOLUTION.

Photometry range : 0 - 4.0 ABS, Resolution : 0,0001 ABS.

CALIBRATION.

Linear calibration and multistandard, historical calibration factor,
Batch and expiration date management.

CONTROL MANAGEMENT.

Westgard multi-rule, cumulative sum check, twin plot 3 levels controls for each item, analysing and printing QC diagram.
Levey-Jennings graph,
Batch and expiration date management.

CONNECTION MANAGEMENT.

Bi-directional LIS ASTM connection,
System Windows 7 & 10.

DIMENSIONS & WEIGHT.

415 x 565 x 385 mm and 32 kg.

WORKING CONDITIONS.

Relative humidity <90%, Atmospheric Pressure 86 - 106 kPa.

POWER SUPPLY.

AC 220V - 50 Hz, 350 VA