Labtest

Audmax evolution®

Compact and efficient: a revolution for your laboratory!

Automatic analyzer with high performance and low consumption for biochemical and immunoturbidimetric testing

High capacity and flexibility. Speed of 180 photometric tests/hour; 540 tests when combined with an ISE module (optional); Fixed reading cycle; 12 reading filters (340 - 800nm); Flexible reagent tray with up to 80 positions; Bar code reader for samples and reagents.

Excellent performance at a low cost.
Minimum reaction volume: 100 µL; Emergency samples analysis (STAT); Automatic high sensitivity detector of liquid level (minimizes interferences caused by the formation of bubbles); Low water consumption.

Accuracy, precision, and quality. Automatic check of the condition of the reaction cuvettes, ensuring cleanliness, management of reagent consumption and yield; Real-time monitoring of reactions; Quality control graphs; User-friendly software with a simple interface.

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Model Specifications

Photometric speed	• 80 photometric tests/hour • 540 tests when combined with an ISE (optional)
Reagents	• Bar code reader • Up to 80 positions • Chilled • Suction volume:10 to 300 µL • Digital detector of liquid level
Samples	• Bar code reader • 40 positions • Suction volume: 2 to 35 µL • Digital detector of liquid level • Onboard hemolysis for HbA1c testing
Reaction	• 56 cuvettes • Minimum reaction volume: 100 µL • Real-time monitoring • Automatic checking of cuvette reading
Methodologies	• Allows testing 80 colorimetric tests, in addition to the three parameters of the ISE Module (optional); • Linear and non-linear calibrations with graphical display of curves.
Photometric system	• Photometer with diffraction grating with 12 different wavelengths (340, 380, 405, 450, 480, 505, 546, 570, 600, 660, 700, and 800 nm) • Dichromatic reading • Tungsten halogen lamp
Flush system	• Automatic flushing of the reaction cuvettes • Uses alkaline solution • Internal and external flushing of the probe
Homogenization system	Use of a homogenizer
Quality control	Multiple Westgard rules and Levey-Jennings Chart
ISE	• Optional module (Sodium, Potassium, and Chloride) • Speed of 360 tests/hour
Data storage	Based on CPU capacity
Interface system	Bidirectional Ethernet output
Software	Windows environment
Dimensions (HxWxD)	53 x 70.3 x 74.4 cm
Weight	100 kg