AutoMAX 400

Auto Chemistry Analyzer

AVECON™
Transforming Research into Innovations

AutoMAX 400

www.aveconhealthcare.com

AutoMAX 400

Auto Chemistry Analyzer

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION
Machine type	Random access, Barcode reagent lock system.
Test speed	Constant 400 tests/hour (Mono reagent or double reagent).
Test principle	Colorimetric method, turbidimetry.
Test method	1 point end, 2 point end, Fixed-Time, Kinetics.
Calibration type	Linear & nonlinear.

SAMPLE UNIT
Sample tray	120 sample positions.
Sample tube	Micro cup & test tube & blood collection tube can be used. (ϕ12 -13)mm * (25 – 100)mm.
Sample volume	2-30µL, step by 0.1µL.
Sample probe	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
Sample barcode	Sample barcode reader.

REAGENT UNIT
Reagent tray	90 reagent positions , Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C.
Reagent volume	20-300µl, step by 1µl.
Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
Regent barcode	Regent barcode reader.

REACTION UNIT
Reaction tray	90 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction volume	150µl-330µl.
Reaction time	10 minutes.
Temperature	Peltier pad incubation system, reaction temperature (37°C ± 0.1 $^\circ$C).

MIXING SYSTEM
Mixer	paddle-type mixing, effective reducing of carry-over.

OPTICAL SYSTEM
Light source	Halogen lamp.
Wavelength	340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm;700nm (4 more options).
Absorbance range	0-4.0 Abs .
Resolution	0.0001 Abs.

OPERATING SYSTEM
Operation System	Windows XP, Windows 7, Windows 8, Windows 10.
Data processing	Reagents, Automatic calibration, test combination, effective time management of serum index, whole process de-tection, linear expansion of enzyme, blank deduction, dirty. cuvette memory , cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management.
Report printing	6 formats optional, support custom pattern.
Interface	TCP/IP network interface.

WORKING CONDITIONS
Power supply	AC 110/220V ± 10%, 50/60 Hz, 650W.
Water consumption	10L/hour (maximum).
Dimension	1110mm * 765mm * 1150mm (L*W*H).
Weight	164kg.