

Fully automated

Biosite
MEDICAL INSTRUMENTS

AutoMax 80



Matrix AutoMax-80 fully automated processor must be operated by the qualified professionals, it is used for determination of ABO/ Rho(D) blood group systems(Forward and Reverse grouping), Rh antigens detection (Rh phenotype determination), Coomb's test (Direct Antiglobulin Test & Indirect Antiglobulin Test), Compatibility testing and Antibody screening and identification.

Features

- Fully automated processor for Matrix gel cards based on Gel Column Agglutination Technology.
- Modular System.
- Having capacity to load 60 Matrix Gel cards.
- Dual needle pipetting system for preparing cell suspension and pipetting into Matrix gel cards for enhanced speed.
- Independent Robotic Transfer arm for transportation of Matrix gel cards between different modules.
- Incubation racks with 24 Matrix gel cards loading capacity.
- Piercing module is for piercing 1 to 6 any number of microtubes as per the need.
- Centrifuge of 85g with 24 Matrix gel cards capacity.
- Sample loading capacity for 96 primary tubes.
- 2 Barcode scanner. One for samples and other for Matrix gel cards.
- Gel Card reader for reading the reactions and interpretation of results.
- 1 dilution plate of 96 wells for preparation of red cell suspension.
- STAT mode facility for priority samples.
- Result integrity by allowing user to modify or change the strength of reaction of a microtube through software. In such case both the reactions are saved in the software for later review.
- Complete usage of unused microtubes as software remembers the left over microtubes in Matrix gel card and makes then available for use in next testing.
- Self-check system: the instrument executes a self-check of its hardware before it starts a new session.
- Bi-directional LIS interface.

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Technical Specification

Method	Fully automated Processor for Matrix gel cards based on Column Agglutination technology
Through put	>80 blood grouping/hour
Sample positions	96 primary tubes
Gel card loading capacity	12 Reagent red cell positions with mixing facility
Reagent red cell positions	For piercing of 1 to 6 any number of microtubes
Piercing Module	Dual needle pipetting system
Reagent Sample probe	Independent arm for transportation of Matrix gel cards
Transportation arm	One centrifuge with 24 cards loading capacity
Reader	One gel card reader for reading and interpretation of results
Sample Dilution	One dilution plate for preparing red cell suspension
Incubation	Two incubation racks at 37 C with 12 cards capacity
STAT	STAT facility for emergency samples
LIS Interface	Bidirectional LIS Interface
Quality Control	In built QC for daily QC testing
Barcode	Two barcode reader one for sample other for gel cards
Power Consumption	260W
Power Supply	220VAC, 50 Hz
Dimensions	150 x 80 x 101 cms (L x B x H)
Weight	250 kgs
CatNo	827MA000080

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