

Dry immunoassay analyzer (MA-V)

Parameter Table

Basic Parameters

Product Name	Dry immunoassay analyzer
Model	MA-V
Methodology	Dry Fluorescence Immunoassay / Fluorescence Immunochromatography
Matching Reagents	Matched Immunofluorescence Assay developed by KOFA
Other Consumables	Washing Solution, Disposable Reaction Plate
Operation Mode	Simultaneous Multi-item Testing, Compact Fully Automated In-system Operation Mode: Automatic Sampling, Dispensing, Automatic Dilution, Incubation, Detection, Discard
Sample Loading Method	External Track-based Loading, Continuous Loading
Testing Speed	Approximately 180 tests/hour

Technical Parameters

Light Source	LED
Excitation Spectrum	Center Wavelength $\lambda_0=470$ nm
Emission Spectrum	Center Wavelength $\lambda_1=525$ nm
Detection Channels	12 Detection Channels
Display System	10.4-inch Interactive Full Touch Color Screen
Sample Types	Whole Blood, Serum/Plasma, Urine
Sample Positions	25 positions, External Track-based Loading, Continuous Loading
STAT Positions	5 STAT positions, supports priority testing for emergency samples
Sampling Range	5–100 μ L
Test Card Slots	4 slots

Max Simultaneous Test Item Types	8 types
Simultaneous Test Card Capacity	4 * 40 cards each, Max capacity 160 cards
Reagent Loading Type	Test Cartridge Clip-type Automatic Loading
Time to First Result	3 minutes (minimum), 3–15 minutes (typically)
Software System	Android Intelligent Operating System, supports Chinese and English languages.
Data Management	Stores over 100,000 results, supports intelligent query
Printing System	Built-in Thermal Printer
Temperature Control System	Built-in temperature control system, incubation temperature controlled at 25°C–27°C
Communication Hardware Interface	RS232, USB, Ethernet
Communication Support	Supports LIS/HIS connection
Scanning System	External Scanner Connectivity Supported
Dimensions (L × W × H)	690 × 600 × 690 mm
Net Weight	Approx. 40 kg

Environmental Requirements

Ambient Temperature	10°C–30°C
Relative Humidity	10%–70%
Atmospheric Pressure	86 kPa–106 kPa
Power Supply Requirements	AC220V, 50 Hz, 150 VA
Placement Requirements	Dry, clean, flat horizontal surface. Avoid direct sunlight, mechanical vibration, and strong electromagnetic interference.