



# Blood Culture/Microbiology Identification



Auto Blood Culture System



Microbiological ID/AST  
Analysis System



Mass Spectrometry System  
(MALDI-TOF MS)



Blood Culture Bottle,  
Reagent & Consumable

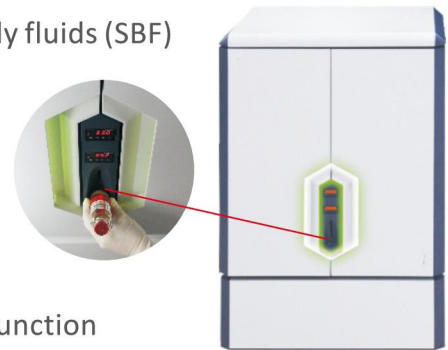
# Auto Blood Culture System



**Accurate, Fast, Cost Effective, Expandable, Compatible**

## Features:

- ★ Accurate Detection of microorganisms from blood & sterile body fluids (SBF)
- ★ Detection Principle: Colorimetry
- ★ Easy handling with “Scan-Load”,
- ★ Built-in Computer, Touch Screen;
- ★ Friendly GUI Operation & Quick output report in 4-24 hours
- ★ Monitor growth rates continuously or semi-continuously.
- ★ Alarm Visual alerts for positive bottles, negative bottles & Malfunction
- ★ Data recovery system after system power off or breakdown
- ★ Support LIS Integration, Real Time display of incubation temperature & reaction chart
- ★ Multiple capacities ( 32-256 bottles) available for different size lab



## Specification :

Model			
Method	Color method		
Specimen	Blood or various sterile body fluid specimens		
Volume	≥32 positions	≥64 positions	≥128 positions
Temperature control system	Users can set the culture temperature flexibly		
Independent culture cycle	Each culture bottle can set independently of different culture cycles flexibly		
Adsorption capacity	Special resin adsorption antibiotic technology, won't affect the results of Gram staining smear		
Detection	Independent detector, 24 hours continuous uninterrupted real-time detection, test every 10 minutes, the detection cycle can be set according to the user's needs.		
Control system	Complete software		
	View complete growth curve Support several blood culture systems work together		
Culture bottles	Type I Aerobic culture bottle		
	Type II Anaerobic culture bottle		
	Type III Pediatric culture bottle		
	Type IV L-form Bacterial culture bottle		
Automation	Fully automatic detection, without manual correction		
Alarm	Sound, light, color alarm		
Barcode	Double barcode management system		
Remote control	HIS, LIS is available		
Power supply	AC110/220V±10%, 60/50Hz		
Package Size(W*D*H)	765*585*650mm	780*570*1000mm	850*850*1220
Gross Weight	43kg	61kg	158kg



## Blood Culture Bottle & Culture Media







### Colorimetric Method Features:

- ★ Nutritional media provide a robust environment for microbial growth
- ★ Visual, irreversible color change assure accurate detection
- ★ Resins offer effective antimicrobial neutralization
- ★ Compatible with other colorimetric technology systems

### Fluorescence Method Features:

- ★ Optimized gas environment for microbial growth
- ★ More sensitive CO<sub>2</sub> sensor assure recovery of a wide range of organisms
- ★ More unmatched combination of fluorescent indicators makes results earlier
- ★ Compatible with fluorescent based instruments

Picture	Bottle Type	Specimen Type	Specimen Volume
	Type I Aerobic Culture Bottle	blood and SBF	8-10 mL
	Type II Anaerobic Culture Bottle	blood and SBF	8-10 mL
	Type III Pediatric Culture Bottle	blood and SBF	1-3 mL
	Type IV L-form Bacterial Culture Bottle	blood and SBF	8-10 mL




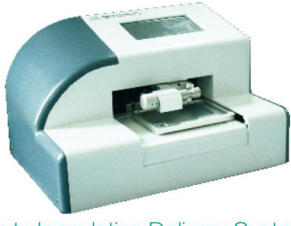

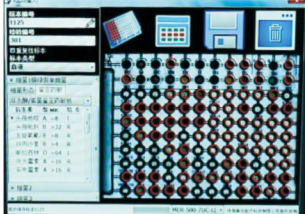
# Microbiological ID/AST Analysis System

## Features:



- ★ Comprised of Test Board, Drug Resistance Database, Test System and Expert System for Antimicrobial Susceptibility .
- ★ Be helpful to identify clinical pathogenic bacteria (Gram negative bacteria, Gram positive bacteria and Fungi),
- ★ Support MIC analysis for antibacterial drugs, report results of bacteria identification and Antimicrobial Susceptibility analysis,
- ★ Generate and pull out lab report.
- ★ Support Nonfermenters, Streptococcus, Enterococcus, Staphylococcus, Fungus, Enterobacteriaceae Identification and Susceptibility test,
- ★ Covering over 300 Microbial Species, 60 types of Antibiotic

## Work Flow Procedure

Isolate Pathogenic Microbe Strain	
Prepare Bacterial Suspension	 <p style="text-align: center;">Turbidimeter</p>
Automated Sampling Instrument Inoculate one Test Plate within 10-20 second	 <p style="text-align: center;">Auto Inoculation Delivery System</p>
Incubate the test card for 18-24 hours at 37°C	
Read, Analyze the test plate by MA120	
Output ID/AST Report, transmit the report to LIS system	

# Microbial ID/AST Test Plate Kit



Microbial ID/AST Test Plate

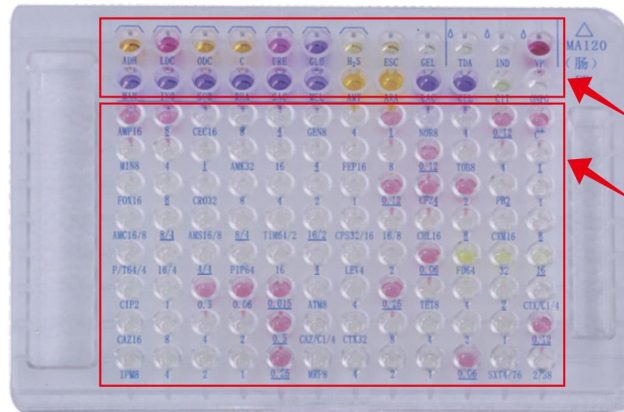


Related Auxiliary Reagents

The plates provide identification and antimicrobial susceptibility testing (AST) of clinical important microorganism including bacteria and yeasts.

## Features:

- ★ Identification Detection Principle: Colorimetric Method
- ★ Susceptibility Testing Detection Principle: Turbidimetric Method
- ★ Support a wide variety of organisms, More than 30 antimicrobial agents for each plate contain high-end antibiotics
- ★ Visual Inspection applicable,
- ★ True MIC for Susceptibility Test, Micro 120-well provides ID+AST test
- ★ Upgrading antibiotic susceptibility test and grouping database via CLSI standard



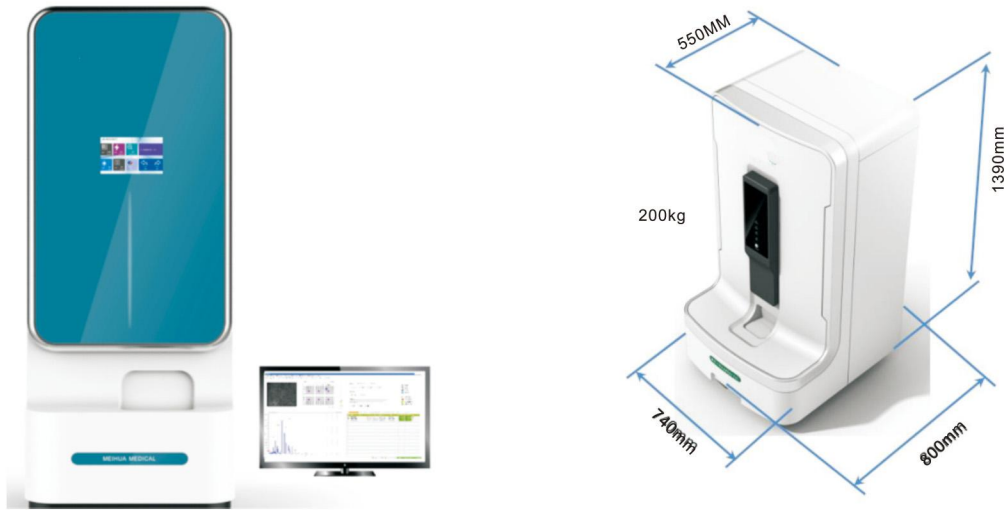
Identification

Susceptibility Testing

Item No.	Product Name	Scope	Package Content
MA120-EB	Enterobacteriaceae ID/AST Plate	Enterobacteriaceae and other non-fastidious, Gram negative rods	10 Test Plate & Related Medium
MA120-NF	Non-fermenters ID/AST Plate	non-fastidious, non-enteric Gram-negative rods	
MA120-SL	Staphylococcus ID/AST Plate	Staphylococcus, Micrococcus, related Rothia and Aerococcus	
MA120-SE	Streptococcus ID/AST Plate	Streptococci, Enterococci, and those most common related organisms	
MA120-FG	Fungus ID/AST Plate	Yeast, yeast-like fungus	
To be released soon	Enterobacteriaceae ID Plate	GPAST Plate	
To be released soon	Non-fermenters ID Plate	GN AST Plate	
To be released soon	Staphylococcus ID Plate	Neisseria /Haemophilus ID Plate	
To be released soon	Streptococcus ID Plate	Neisseria /Haemophilus AST Plate	
To be released soon	Fungus ID Plate	Corynebacteria/Listeria ID/AST Plate	
To be released soon	Anaerobic bacteria ID Plate	Corynebacteria/Listeria ID Plate	

# Mass Spectrometry System

-Rapid Microorganism Identification System



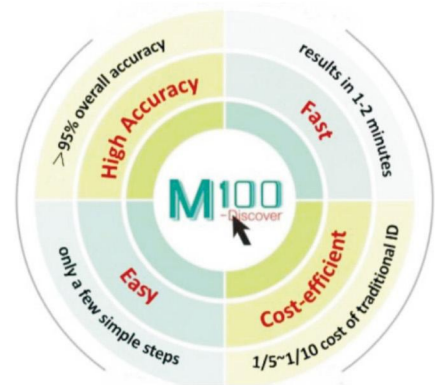
Model No.: M-Discover 100

## Features:

- ★ Fully Automated Door, Sampling Platform ensure Safe and Quick Operation
- ★ Highly automated workflows enable identification and analysis within just seconds
- ★ Powerful “MicroSystem” , Database & Data Analysis Tool meet with Clinical And Research Needs
- ★ 96+6 Sample Target Plate with Automated Quality Control
- ★ Various Kits for sample processing are available,
- ★ Positive blood culture, urine and CSF for direct detection
- ★ Support integration with LIS
- ★ Compatible with other brand test plate;

## Wide Application Range:

- Medical Microbiology,
- Food Production / Quality Control
- Veterinary Microbiology
- Research and Environmental



## Standard Work Flow

Pick an Isolated Colony	Smear on Target Plate	Load to Mass Spectrometry System (MS-100)	Generate MALDI-TOF profile spectrum	Identification by system software & database
Generate Report				



# Mass Spectrometry System

## –Rapid Microorganism Identification System



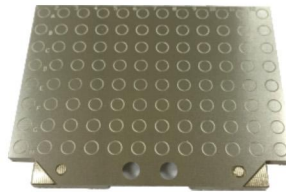
### Key Specification:

Laser	337 nm nitrogen laser, Fixed Focus Max. Pulse rate: 60hz (60 laser shots per second) Software control of Laser Power and Laser aim
Analyzer	Resolution $\geq 2000$ Vaccum Maintained by a mechanical Pump & Turbo molecular pump
Mass Range	1-300KDa

### Accessories and Reagents



Reagents, including  
Matrix & Buffer



96 circles Plate &  
Plate Holder

### The standard Package content:

No.	Name	Remark
1	M-Discover 100 Excellence Mass spectrometry Instrument	Mass spectrum collection
2	Computer (Configured according to user requirements)	Data analysis
3	23 inch LCD Monitor(Configured according to user requirements)	Result display
4	Three power lines	Instrument host, computer, monitor connected to AC power
5	One BNC line	Transferring video images
6	One COM line	Computer and Host communication
7	One USB line	Computer and Host communication

