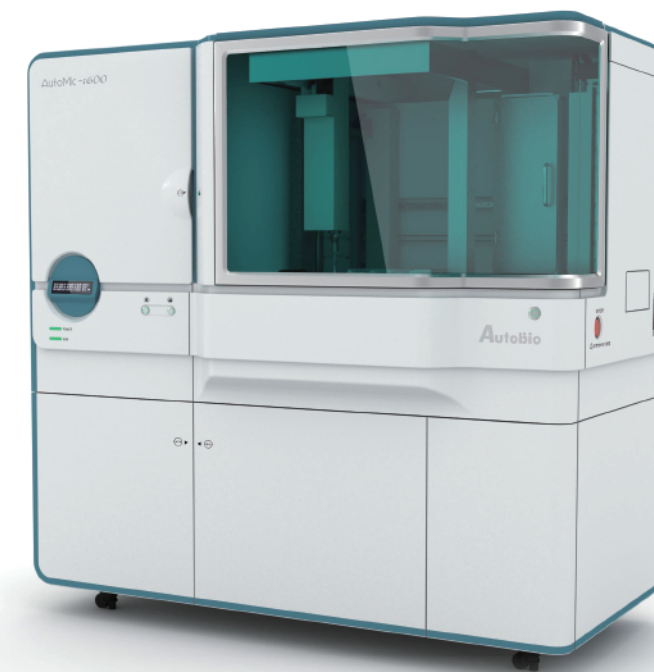


INNOVATION · MANUFACTURE · INTEGRATION · SERVICE

AutoMic-i600

Automated Microorganism Identification and Antimicrobial Susceptibility Testing Analyzer



Autobio Diagnostics Co., Ltd.

offers more than 400 in vitro diagnostic products including CLIA(microplate based CLIA and magnetic particle based CLIA),ELISA,POCT(Point of Care Test),Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit www.autobio.com.cn

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Automated microorganism identification and antimicrobial susceptibility testing analyzer AutoMic-i600 can quickly and accurately identify microorganism by biochemical and detect antibiotic sensitivity in vitro.

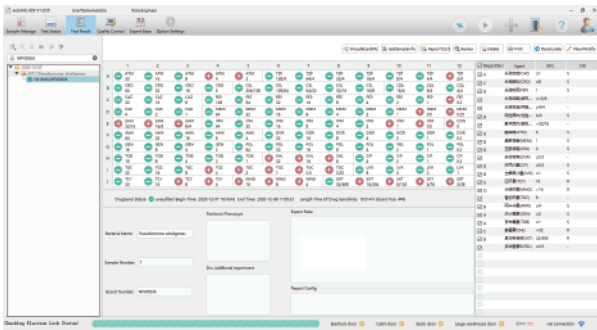
In the identification part of this product, the identification results of the bacteria were determined by comparing with the database about biochemical reaction, such as carbon source utilization, enzyme activity and antibiotic resistance of the bacteria.

Advantages

- The design of random placement of cards , the two-way intelligent identification and matching of cards and specimens.
- Stable X, Y, Z axis structure and incubation tower design, automatically complete sample addition, incubation, and result interpretation.
- 64 cards incubation position, to meet the testing needs of all levels of users.
- 2 methods (Colorimetric, turbidimetric) determination, continuous automated regular interpretation, and AI intelligent algorithm model make the results are more accurate.

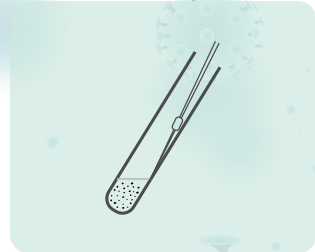
Software

- Customized report templates to meet diverse needs.
- Two-way identification, full barcode paperless management, accurate traceability.
- The strain library, database and expert system jointly constructed by multiple centers, meet the needs of identification.
- An expert system based on the latest versions of CLSI and EUCAST files, providing continuous upgrade services, authoritative and reliable interpretation of results.
- Automatic correction of the sensitivity interpretation of natural and forced resistance, including ESBLs, CRE, MRSA, VRE, PRSP, high levels of aminoglycosin resistance and clindamycin induced resistance.



Testing steps

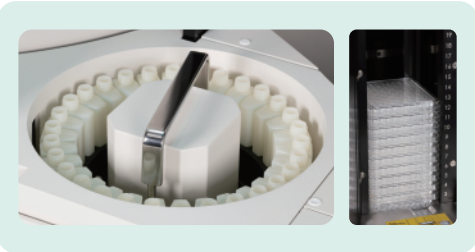
1 Prepare bacterial suspension



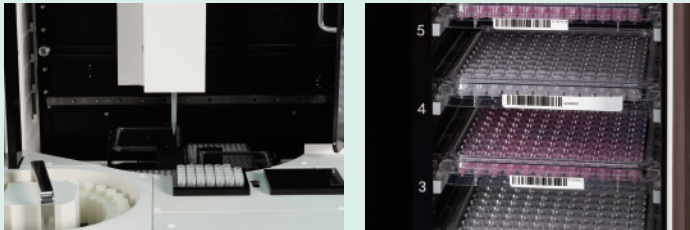
2 Add the staining solution



3 Place bacterial suspension and AST cards



4 Automatically sample addition, incubation and detection



5 Report results



AST Crad

NO.	Card Name	Number of antibiotics	Range of Application	advantage
1	Gram-positive, GP	20	<i>Staphylococcus, Enterococcus, Bacillus</i>	20 MIC test + Horizontal streptomycin resistance test, clindamycin induced resistance test, high level gentamicin resistance test. Characteristic antimicrobial drugs: Oritavancin, ceftaroline, daptomycin.
2	Enterobacteriaceae, EB	26	<i>Enterobacteria</i>	ESBLs confirmatory test, antibacterial drugs: cephalosporin/sulbactam, cephalosporin/avibactam, moxifloxacin, tigecycline.
3	Non-fermenters, NF	22	<i>Pseudomonas, Acinetobacter, Burkholderia cepacian, Stenotrophomonas maltophilia</i>	Featured antibacterial drugs: Ceftazidime/Avibactam, Tigecycline, polymyxin B, Piperacillin/tazobactam.
4	Streptococcus, ST	19	<i>streptococcus</i>	19 MIC test+ Clindamycin Induced Resistance Test.
5	Fungal, FG	10	<i>Candida, Cryptococcus and Aspergillus</i>	10-14 concentration gradients, quantitative detection.

Instrument Parameters

Maximum capacity	64
Sample injection method	Automatic sample addition
Pipetting speed	<3min/120
Pipetting accuracy	50 μl±3 μl 100 μl±3 μl 150 μl±3 μl
Pipetting repeatability	50 μl、100 μl、150 μl, CV≤3%

Temperature of incubation area	35℃±1.5℃
Monitoring frequency	30min
Wavelength range	400nm-700nm
light source	LED
Number of filters	MAX 6