

AUTOMATED MICROBIAL ID SYSTEM ALT-3182



Microbial Identification & Antimicrobial Susceptibility Testing System

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Technical Specifications

Testing Principles

Identification: Colorimetry

Susceptibility testing: Turbidimetry

Throughput

60-120 cards per hour

Optional Configuration

Automated sampling device, sampling 60-80 cards per hour

Printer

External printer

Interface

Internal PC, support LIS/HIS

Working environment

Environmental temperature : 50°C-400°C

Relative humidity : 10%-90%

Atmospheric pressure

76k Pa-106k Pa

Power supply

AC220V + 22V,50Hz + Hz

Dimension & Weight

700mm * 493mm *465mm ; 31.2kg

Precise Identification

1. Identification of bacteria is widely applied in clinical, veterinary and industry. It can meet the requirements of clinic, scientific research and public safety.
2. Precise and reliable ATL -3182 identifies microbes as "Species" and "Subspecies". These microorganisms include: Enterobacteriaceae, Nonfermentative bacteria, bacteria of Vibrionaceae, Staphylococcus / Micrococcus, Yeast Like fungi, Streptococcus, Enterococcus, Vibrionaceae, etc, totally over 500 kinds of routine microorganisms.
3. Test card is well composite of identification and drug sensitivity.
4. ATL-3182 is able to screen ESBLs test.
5. Fungi drug sensitivity includes 5 types of antifungal drug sensitivity tests which are commonly used in clinics.

Efficient drug guidance

1. ATL-3182 database covers over 200 types of antibiotics.
2. ATL-3182 sensitivity analytical of antibiotics complies with the latest CLSI regulation.
3. According to CLSI regulation. antibiotics are divided into A/B/C/U group to report MIC results, Which help doctor determine the most appropriate treatment for the infected patient and avoid antibiotics abuse.
4. Every antibiotic provides eight level of concentration ladder in DL unique test card. It enhances the precision of MIC analysis.
5. Fungi drug sensitivity includes 5 types of antifungal drug sensitivity tests which are commonly used in clinics.
6. Cards : 5 cards each for identification of G+ve and G-ve bacteria as well as for determining AST pattern.
7. Primary panels: It identify various resistant mechanisms those present in the samples of animal origin- ESBL/MBL, MRSA,VRE, β -lactamase producing staphylococcus, Macrolide resistance in Streptococci etc.

Easy & Integrated operation

1. Fully automated sampling device can be equipped so as to reduce workload. It can prevent error caused by manual sampling and guarantee biological safety ; sampling throughput is 60-80 cards per hour.
2. Standard operation procedure provides optimum quality assurance.
3. User friendly interface with reliable and rapid analysis.
4. Able to connect LIS/HIS and WHONET.



▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical
Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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