

## **AUTOMATED MICROBIOLOGY 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](http://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**

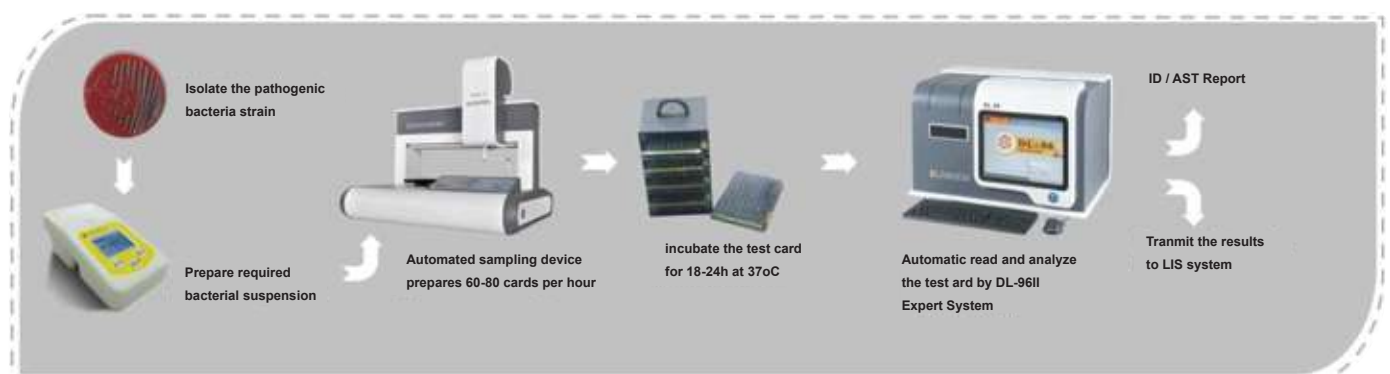
1. Identification of bacteria is widely applied in clinical, veterinary and industry. It can meet the requirements of clinic, scientific research and public safety.
2. Precise and reliable ATL -3182 identifies microbes as "Species" and "Subspecies". These microorganisms include: Enterobacteriaceae, Nonfermentative 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,  $\beta$ -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

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