

## Antimicrobial Susceptibility Testing Market, by Product (Manual {Susceptibility Discs, Plates, MIC Strips}, Consumables, Automated), Method (Diffusion, Dilution), Application (Clinical Diagnostics), End User (Hospitals, Pharma, Institutes) - Forecast to 2028

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### Abstracts

Antimicrobial Susceptibility Testing Market by Product (Manual {Susceptibility Discs, Plates, MIC Strips}, Consumables, Automated), Method (Diffusion, Dilution), Application (Clinical Diagnostics), End User (Hospitals, Pharma, Institutes) - Forecast to 2028

The global antimicrobial susceptibility testing market is expected to grow at a CAGR of 6.4% from 2021 to 2028 to reach \$5.99 billion by 2028.

Succeeding an extensive secondary and primary research and in-depth analysis of the market scenario, the report carries out the key industry drivers, restraints, challenges, and opportunities. The antimicrobial susceptibility testing market's growth is mainly attributed to growth in infectious diseases, development of automated AST products, the emergence of multidrug resistance, increased funding and government initiatives for AMR and technological advancements, and new product developments. Active R&D to develop rapid antimicrobial susceptibility testing and growth prospects in emerging markets are offering market opportunities.

Based on product, the manual AST products segment is estimated to account for the largest share of the market in 2021. Higher adoption of manual techniques compared to automated due to their cost-effectiveness and ease of processing is a key factor supporting market growth. Further manual AST products are segmented into susceptibility discs, susceptibility plates, and minimum inhibitory concentration (MIC) test strips. Based on the type of manual AST products, the susceptibility discs segment



is estimated to account for the largest share of the market in 2021.

Based on method, the automated AST products segment is expected to create several opportunities for market growth. The key factor attributing to the market growth is the emerging need to obtain the same-day antimicrobial susceptibility testing results to determine the treatment of a wide range of infectious diseases. Automated AST provides streamlined workflows and quantitative results. Further, accurate and precise measurements and enhanced performance offered by automated AST also support market growth.

Based on application, the clinical diagnostics segment is expected to account for the largest share of the antimicrobial susceptibility testing market in 2021 due to the rising burden of antimicrobial resistance and growing awareness about the use of antimicrobial susceptibility testing methods.

An in-depth analysis of the geographical scenario of the antimicrobial susceptibility testing (blood samples) market provides detailed qualitative and quantitative insights about the five major geographies (North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa) along with the coverage of major countries in each region. North America is estimated to command the largest share of the global antimicrobial susceptibility testing market in 2021, followed by Europe, Asia-Pacific, Latin America, and the Middle East & Africa. Rising antibiotic resistance and increasing government initiatives to fight antibiotic resistance are the major factors driving the growth of the antimicrobial susceptibility testing (blood sample) market in North America. Further, the increased prevalence of potentially fatal bloodstream infections caused by antimicrobial-resistant organisms also positively impacts the market growth.

Some of the key players operating in the global antimicrobial susceptibility testing market are Thermo Fisher Scientific Inc. (U.S.), Merck KGaA (Germany), Bio-Rad Laboratories, Inc. (U.S.), bioM?rieux S.A. (France), Becton, Dickinson and Company (U.S.), Danaher Corporation (U.S.), HiMedia Laboratories Pvt. Ltd. (India), MERLIN Diagnostika GmbH (Germany), Accelerate Diagnostics, Inc. (U.S.), Alifax S.r.I. (Italy), Creative Diagnostics (U.S.), Synbiosis (U.K.), and Zhuhai DL Biotech Co., Ltd (China).

Scope of the Report:

Global Antimicrobial Susceptibility Testing Market, by Product

Manual Antimicrobial Susceptibility Testing Products



Susceptibility Discs

Susceptibility Plates

Minimum Inhibitory Concentration (MIC) Strips

Consumables

Automated Antimicrobial Susceptibility Testing Products

Global Antimicrobial Susceptibility Testing Market, by Method

**Disc Diffusion** 

Automated AST

Dilution

Other Methods

Other methods include Etest, genotypic methods, and MALDI-TOF MS.

Global Antimicrobial Susceptibility Testing Market, by Application

**Clinical Diagnostics** 

Drug Discovery and Development

**Other Applications** 

Other applications include epidemiology, veterinary diagnostic, and environmental monitoring

Global Antimicrobial Susceptibility Testing Market, by End User

Antimicrobial Susceptibility Testing Market, by Product (Manual {Susceptibility Discs, Plates, MIC Strips}, Co...



**Diagnostic Laboratories and Hospitals** 

Pharmaceutical and Biotechnology Companies

Research and Academic Institutes

Global Antimicrobial Susceptibility Testing Market, by Geography

North America

U.S.

Canada

Europe

Germany

U.K.

France

Italy

Spain

Rest of Europe (RoE)

Asia-Pacific (APAC)

China

Japan

India

Rest of APAC (RoAPAC)



Latin America

Middle East & Africa



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