

Antimicrobial Resistance Diagnostics Market Size, Trends, Analysis, and Outlook By Technology (Microbiology Culture, Immunoassay, PCR, NGS, Mass Spectrometry, Rapid & Point of Care, Others), By Pathogen, Drug Resistant Streptococcus Pneumoniae (DRSP), Drug Resistant Campylobacter (DRC), Clostridium Difficile (CD), Methicillin Resistant Staphylococcus Aureus (MRSA), Drug Resistant Neisseria Gonorrhoeae (DRNG), Drug Resistant Salmonella (DRNTS), Others), By End-User (Hospitals, Diagnostic Laboratories, Pharmaceutical & Biotechnology Companies, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Antimicrobial Resistance Diagnostics market size is poised to register 6.76% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Antimicrobial Resistance Diagnostics market across By Technology (Microbiology Culture, Immunoassay, PCR, NGS, Mass Spectrometry, Rapid & Point of Care, Others), By Pathogen, Drug Resistant Streptococcus Pneumoniae (DRSP), Drug Resistant Campylobacter (DRC), Clostridium Difficile (CD), Methicillin Resistant Staphylococcus Aureus (MRSA), Drug Resistant Neisseria Gonorrhoeae (DRNG), Drug Resistant Salmonella (DRNTS), Others), By End-User (Hospitals, Diagnostic Laboratories, Pharmaceutical & Biotechnology Companies, Others).

The antimicrobial resistance (AMR) diagnostics market is witnessing rapid growth, driven by increasing global burden of antibiotic-resistant infections, rising demand for rapid diagnostic tests, and growing awareness of the importance of antimicrobial stewardship in healthcare settings. AMR diagnostics encompass a wide range of molecular, microbiological, and immunological assays designed to detect, characterize, and monitor antimicrobial-resistant pathogens and antimicrobial resistance genes in clinical specimens such as blood, urine, and respiratory samples. With a focus on infection control, antimicrobial stewardship, and patient safety, clinical microbiologists, infectious disease specialists, and healthcare institutions are adopting AMR diagnostic technologies as essential tools for guiding antibiotic therapy decisions, preventing treatment failures, and reducing the spread of multidrug-resistant organisms in healthcare settings. Moreover, advancements in nucleic acid amplification, next-generation sequencing, and microarray-based assays are driving market expansion, offering new opportunities to develop rapid, accurate, and cost-effective AMR diagnostic tests with multiplexing capabilities, high throughput, and actionable results for timely antimicrobial therapy interventions. Additionally, collaborations between diagnostic test developers, public health agencies, and healthcare providers are driving innovation in AMR diagnostics, fostering the development of standardized testing algorithms, surveillance networks, and antimicrobial stewardship programs to combat the global threat of antibiotic resistance and preserve the efficacy of existing antimicrobial agents for future generations.

Antimicrobial Resistance Diagnostics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Antimicrobial Resistance Diagnostics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Antimicrobial Resistance Diagnostics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Antimicrobial Resistance Diagnostics industry.

Key market trends defining the global Antimicrobial Resistance Diagnostics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics,

demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Antimicrobial Resistance Diagnostics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Antimicrobial Resistance Diagnostics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Antimicrobial Resistance Diagnostics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Antimicrobial Resistance Diagnostics industry

Leading Antimicrobial Resistance Diagnostics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Antimicrobial Resistance Diagnostics companies.

Antimicrobial Resistance Diagnostics Market Study- Strategic Analysis Review

The Antimicrobial Resistance Diagnostics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Antimicrobial Resistance Diagnostics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Antimicrobial Resistance Diagnostics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Antimicrobial Resistance Diagnostics Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Antimicrobial Resistance Diagnostics Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Antimicrobial Resistance Diagnostics market segments. Similarly, Strong end-user demand is encouraging Canadian Antimicrobial Resistance Diagnostics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Antimicrobial Resistance Diagnostics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Antimicrobial Resistance Diagnostics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Antimicrobial Resistance Diagnostics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Antimicrobial Resistance Diagnostics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Antimicrobial Resistance Diagnostics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Antimicrobial Resistance Diagnostics in Asia Pacific. In particular, China, India, and South East Asian Antimicrobial Resistance Diagnostics markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Antimicrobial Resistance Diagnostics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Antimicrobial Resistance Diagnostics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Antimicrobial Resistance Diagnostics market potential. Fueled by increasing healthcare expenditure

of individuals, growing population, and high prevalence across a few markets drives the demand for Antimicrobial Resistance Diagnostics.

Antimicrobial Resistance Diagnostics Market Company Profiles

The global Antimicrobial Resistance Diagnostics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Abbott, Accelerate Diagnostics Inc, Becton, Dickinson and Company, bioMerieux, Danaher, F. Hoffmann-La Roche Ltd, Hologic Inc, Molsid, OpGen, Vela Diagnostics, Visby Medical Inc

Recent Antimicrobial Resistance Diagnostics Market Developments

The global Antimicrobial Resistance Diagnostics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Antimicrobial Resistance Diagnostics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Technology

Microbiology Culture

Immunoassay

PCR

NGS

Mass Spectrometry

Rapid & Point of Care

Others

By Pathogen

Drug Resistant Streptococcus Pneumoniae (DRSP)

Drug Resistant Campylobacter (DRC)

Clostridium Difficile (CD)

Methicillin Resistant Staphylococcus Aureus (MRSA)

Drug Resistant Neisseria Gonorrhoeae (DRNG)

Drug Resistant Salmonella (DRNTS)

Others

By End-user

Hospitals

Diagnostic Laboratories

Pharmaceutical & Biotechnology Companies

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott

Accelerate Diagnostics Inc

Becton, Dickinson and Company

bioMerieux

Danaher

F. Hoffmann-La Roche Ltd

Hologic Inc

Molsid

OpGen

Vela Diagnostics

Visby Medical Inc

Formats Available: Excel, PDF, and PPT

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By Technology

Microbiology Culture

Immunoassay

PCR

NGS

Mass Spectrometry

Rapid & Point of Care

Others

By Pathogen

Drug Resistant Streptococcus Pneumoniae (DRSP)

Drug Resistant Campylobacter (DRC)

Clostridium Difficile (CD)

Methicillin Resistant Staphylococcus Aureus (MRSA)

Drug Resistant Neisseria Gonorrhoeae (DRNG)

Drug Resistant Salmonella (DRNTS)

Others

By End-user

Hospitals

Diagnostic Laboratories

Pharmaceutical & Biotechnology Companies

Others

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Abbott

Accelerate Diagnostics Inc

Becton, Dickinson and Company

bioMerieux

Danaher

F. Hoffmann-La Roche Ltd

Hologic Inc

Molsid

OpGen

Vela Diagnostics

Visby Medical Inc

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