

Clinical Microbiology Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/C525FD2B681CEN.html>

Date: November 2022

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: C525FD2B681CEN

Abstracts

The global clinical microbiology market size reached US\$ 3.9 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 5.7 Billion by 2027, exhibiting a growth rate (CAGR) of 6.67% during 2022-2027.

Clinical microbiology is a field of medical science that assists in diagnosing, preventing, and treating various infectious diseases. It focuses on identifying the presence of bacterial, viral, fungal, or parasitic agents and determining the susceptibility of microorganisms by conducting various tests. Some of the commonly used testing methods are direct smears and stains, cultures, molecular analysis, serological testing, and antibiotic susceptibility testing. Presently, clinical microbiology is gaining traction across the globe on account of its effective antibiotic administration and improved treatment outcomes.

Clinical Microbiology Market Trends:

The increasing prevalence of infectious diseases around the world represents one of the primary factors propelling the growth of the market. Additionally, the rising air and water pollution levels are increasing incidences of respiratory diseases among individuals, which, in turn, is driving the market. Apart from this, the integration of automation in clinical microbiology is creating a favorable outlook for market growth as it enables specimen traceability, eliminates delays in incubations and improves the efficiency of laboratory operations. Furthermore, the leading players are focusing on introducing technological advancements in disease diagnostics, such as the adoption of machine learning (ML), which aids in providing quick and accurate results. This, along with the introduction of several molecular diagnostic techniques, is offering lucrative growth opportunities to the market. Moreover, the rising adoption of advanced clinical

diagnostic techniques, including real-time polymerase chain reaction (PCR), next-generation sequencing (NGS), and mass spectrometry for effective identification and characterization of pathogens, is acting as another growth-inducing factor. Other major factors, including the increasing number of new microorganisms causing various infectious diseases and the burgeoning healthcare sector across the globe, are anticipated to impel the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global clinical microbiology market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, application and end user.

Breakup by Product:

- Laboratory Instruments
 - Incubators
 - Gram Stainers
 - Bacterial Colony Counters
 - Autoclave Sterilizers
 - Petri Dish Fillers
 - Automated Culture Systems
 - Microbiology Analyzers
 - Molecular Diagnostic Instruments
 - Microscopes
 - Mass Spectrometers
 - Reagents

Breakup by Application:

- Respiratory Diseases
- Bloodstream Infections
- Gastrointestinal Diseases
- Sexually Transmitted Diseases
- Urinary Tract Infections (UTIs)
- Periodontal Diseases
- Others

Breakup by End User:

Hospitals and Diagnostic Centers
Custom Lab Service Providers
Academic and Research Institutes

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3M Company, Abbott Laboratories, Agilent Technologies Inc., Becton Dickinson and Company, bioMérieux SA, Bio-Rad Laboratories Inc, Bruker Corporation, Danaher Corporation, Hologic Inc., Merck KGaA, QIAGEN N.V and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report

1. What was the size of the global clinical microbiology market in 2021?
2. What is the expected growth rate of the global clinical microbiology market during 2022-2027?
3. What has been the impact of COVID-19 on the global clinical microbiology market?
4. What are the key factors driving the global clinical microbiology market?
5. What is the breakup of the global clinical microbiology market based on the product?
6. What is the breakup of the global clinical microbiology market based on the application?
7. What is the breakup of the global clinical microbiology market based on the end user?
8. What are the key regions in the global clinical microbiology market?
9. Who are the key players/companies in the global clinical microbiology market?

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