

Clinical Microbiology Market Report by Product (Laboratory Instruments, Automated Culture Systems, Reagents), Application (Respiratory Diseases, Bloodstream Infections, Gastrointestinal Diseases, Sexually Transmitted Diseases, Urinary Tract Infections (UTIs), Periodontal Diseases, and Others), End User (Hospitals and Diagnostic Centers, Custom Lab Service Providers, Academic and Research Institutes), and Region 2024-2032

<https://marketpublishers.com/r/CF98F19C28F5EN.html>

Date: August 2024

Pages: 144

Price: US\$ 3,899.00 (Single User License)

ID: CF98F19C28F5EN

Abstracts

The global clinical microbiology market size reached US\$ 4.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 7.4 Billion by 2032, exhibiting a growth rate (CAGR) of 5.7% during 2024-2032.

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 2024-2032. 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 2023?
2. What is the expected growth rate of the global clinical microbiology market during 2024-2032?
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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