

Microbial Identification Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global microbial identification market size reached US\$ 4.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 8.3 Billion by 2028, exhibiting a growth rate (CAGR) of 11.48% during 2023-2028.

Microbial identification refers to the process of identifying pathogens in mixed microbial communities by examining their behavior. It includes comparing a known and an unknown organism and eventually providing names to the analyzed species. It relies on various techniques, such as deoxyribonucleic acid (DNA) sequencing, riboprinter analysis, repeat-based polymerase chain reaction, and rapid pathogen confirmation. It delivers immediate and reliable results that help diagnose infectious diseases and the timely adoption of required medications and therapies. Besides this, it allows the detection of specific proteins, biochemical activities of the target cells, and gene sequences of microorganisms. As a result, microbial identification finds extensive applications in microbiological quality control at production facilities, academic research centers, and food processing units worldwide.

Microbial Identification Market Trends:

The rising prevalence of infectious diseases caused by microorganisms is increasing the need for microbial identification tests across the globe. The classification of microorganisms and microbes plays a vital role in disease analysis and providing appropriate treatment. In addition, the study of bacteria, parasites, fungi, and microbes is encouraging investors in the pharmaceutical industry to finance innovation in drug development. This represents another factor positively influencing the market. Apart from this, the increasing food safety concerns around the world are driving the need for microbial identification techniques to identify food spoilage contaminants. These

techniques help retain the authenticity and flavor of processed food products and increase their shelf life. Furthermore, continuous advancements in the field of microbiology and microbial identification equipment are creating a positive market outlook. Moreover, various initiatives undertaken by governments of various countries to prevent the spread of infectious diseases, coupled with the increasing expenditure on the healthcare industry, are anticipated to propel the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global microbial identification market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on products and services, technology, method and application.

Breakup by Products and Services:

- Instruments and Software
- Consumables
- Panels/ID Cards and Media
- Kits
- Others
- Services

Breakup by Technology:

- Mass Spectrometry
- PCR
- Flow Cytometry
- Microscopy
- Others

Breakup by Method:

- Phenotypic Methods
- Genotypic Methods
- Proteomics-Based Methods

Breakup by Application:

- Diagnostics

Food and Beverage Testing
Pharmaceuticals
Cosmetics and Personal Care Products Testing
Others

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 Beckman Coulter Inc. (Danaher Corporation), Biolog Inc., BioMerieux SA, Bruker Corporation, Charles River Laboratories International Inc., Eurofins Scientific SE, Liofilchem S.r.l, Merck KGaA, Shimadzu Corporation, Thermo Fisher Scientific Inc., VWR International LLC. (Avantor Inc.) and Wickham Micro Limited.

Key Questions Answered in This Report

1. What was the size of the global microbial identification market in 2022?
2. What is the expected growth rate of the global microbial identification market during 2023-2028?
3. What are the key factors driving the global microbial identification market?
4. What has been the impact of COVID-19 on the global microbial identification market?
5. What is the breakup of the global microbial identification market based on the technology?
6. What is the breakup of the global microbial identification market based on the method?
7. What are the key regions in the global microbial identification market?
8. Who are the key players/companies in the global microbial identification market?

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