

Industrial Microbiology Market to reach US\$ 32.12 Billion by 2033, propelled by a CAGR of 7.6% | FMI

The USA poised to dominate North America's industrial microbiology market, propelled by pharma, biotech expansion & growing food & beverage industries.



NEWARK, DELAWARE, UNITED STATES OF AMERICA, December 8, 2023 /EINPresswire.com/ -- The global [industrial microbiology market](#) has achieved a staggering valuation of US\$ 15.49 billion in 2023, marking a significant milestone in the industry's growth trajectory. With a projected compound annual growth rate (CAGR) of 7.6% from 2023 to 2033, the market is poised to escalate to a remarkable US\$ 32.12 billion by 2033.

The market's impressive expansion is attributed to several factors, including technological advancements, increasing demand for bio-based products, and heightened focus on sustainable industrial practices. Industrial microbiology has emerged as a pivotal field, leveraging microbial processes and applications to revolutionize diverse sectors such as pharmaceuticals, agriculture, food and beverages, and environmental management.

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This burgeoning trend signifies the increasing relevance of industrial microbiology in driving innovation and efficiency across industries globally. Its pivotal role in pharmaceuticals, food and beverage, agriculture, environmental management, and biotechnology propels its rapid growth.

The steady rise of the industrial microbiology market is indicative of its crucial impact on enhancing product quality, sustainability, and safety measures in diverse sectors. As advancements in technology and research continue to unlock new opportunities, this market is set to revolutionize various industries with cutting-edge solutions and innovations.

Key Takeaways:

In 2022, North America held a value share of 27.8% in the industrial microbiology industry.

The market in Europe accounted for a value share of 23.3% in 2022 on a global level.

By product type, reaction consumables held a substantial value share of 61.07% in 2022.

The market value for industrial microbiology reached US\$ 14.49 billion in 2022, with a CAGR of 7.5% from 2018 to 2022.

Based on end-use, the pharmaceuticals & biotechnology sub-segment accounted for 51.7% share in 2022.

Sterility testing garnered a revenue share of 34.21% in 2022, based on testing type.

How is the Competition in the Industrial Microbiology Market?

The companies in the market strive to gain a significant market share by offering innovative products, expanding their geographic presence, and establishing strategic collaborations. Further, Key players in the market focus on developing and expanding their product portfolios to cater to the diverse needs of industries.

Key players invest in research and development activities to introduce innovative microbial testing solutions, rapid detection technologies, and advanced analytical tools. Continuous product innovation is crucial for companies to stay competitive and meet the evolving demands of customers.

Companies strive to expand their geographic reach to tap into new markets and customer segments. They establish subsidiaries, distribution networks, and strategic partnerships in different regions to enhance their market presence. A robust global footprint allows companies to serve a broad customer base and gain a competitive edge over regional players in the market for industrial microbiology.

Compliance with regulatory standards and certifications is crucial for companies operating in the industrial microbiology market. Further, meeting regulatory requirements ensures product quality, safety, and reliability, which are essential for customers when selecting testing solutions.

Key Players Operating in the Market:

Thermo Fisher Scientific Inc.

Bio-Rad Laboratories Inc.

Becton, Dickinson, and Company

Asiagel Corporation

Eppendorf AG

BioMerieux SA

Novamed

QIAGEN
Sartorius AG
3M
Merck KGaA
Danaher Corporation
Others

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Market Segmentation by Category:

By Product Type:

Equipment and Systems
Filtration Pumps and Systems
Microbial Detection Systems
Air Monitoring Systems
Automated Equipment
Incubators and Culture Apparatus
Others
Reaction Consumables
Media
Simple Media
Complex Media
Defined Media
Specialty Media
Reagents and Strains
Others
Laboratory Supplies
Bags and Bottles
Loop and Needles
Petri Dishes, Racks, Seals, Plates, and Holders
Filtration Disc and Membranes
Others

By End User:

Pharmaceuticals and Biotechnology
Food and Beverages
Agriculture and Environmental
Personal Care Products

By Test Type:

Sterility Testing
Microbial Limits Testing
Bio-burden Testing

By Region:

North America
Latin America
Western Europe
Eastern Europe
Japan
Asia Pacific Excluding Japan (APEJ)
The Middle East & Africa (MEA)

Author By:

Sabyasachi Ghosh (Associate Vice President at Future Market Insights, Inc.) holds over 12 years of experience in the Healthcare, Medical Devices, and Pharmaceutical industries. His curious and analytical nature helped him shape his career as a researcher.

Identifying key challenges faced by clients and devising robust, hypothesis-based solutions to empower them with strategic decision-making capabilities come naturally to him. His primary expertise lies in areas such as Market Entry and Expansion Strategy, Feasibility Studies, Competitive Intelligence, and Strategic Transformation.

Holding a degree in Microbiology, Sabyasachi has authored numerous publications and has been cited in journals, including The Journal of mHealth, ITN Online, and Spinal Surgery News.

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the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI is the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a team of over 5000 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

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