

# **Saudi Arabia Industrial Microbiology Product Market By Product (Equipment and Systems, Reaction Consumables, Laboratory Supplies, Others), By Region, Competition, Forecast & Opportunities, 2020-2030F**

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## **Abstracts**

Saudi Arabia Industrial Microbiology Product Market was valued at USD 46.28 million in 2024 and is projected to reach USD 56.07 million by 2030, registering a compound annual growth rate (CAGR) of 3.45% during the forecast period. This growth is fueled by rising demand for microbiology-based solutions across various industries, including pharmaceuticals, food and beverage, agriculture, and biotechnology.

The continued expansion of Saudi Arabia's industrial sectors—aligned with the government's Vision 2030 strategy—is accelerating the need for microbiological products used in quality control, environmental monitoring, and process optimization. In particular, the pharmaceutical sector heavily relies on industrial microbiology to ensure the safety, efficacy, and regulatory compliance of drugs, vaccines, and biologics.

### **Key Market Drivers**

#### **Expansion of the Healthcare Industry**

The significant growth of Saudi Arabia's healthcare sector serves as a major catalyst for the industrial microbiology product market. The Kingdom is actively reforming its healthcare system not only to improve public health outcomes but also to drive economic diversification, create jobs, and foster innovation.

As part of this transformation, substantial public and private investments are being

made to enhance healthcare infrastructure and access to advanced medical services. This expansion has created a strong demand for microbiological testing, sterile processing, and contamination control solutions, which are essential for ensuring the quality and safety of medical products.

The increasing need for industrial microbiology tools such as culture media, reagents, and diagnostic solutions reflects this growing demand. In 2023, Lifera, Sanofi, and Arabio signed a Memorandum of Understanding (MoU) to collaborate on vaccine manufacturing and supply in Saudi Arabia—an initiative aimed at enhancing domestic production through the development of a state-of-the-art manufacturing facility.

## Key Market Challenges

### Shortage of Skilled Workforce

A key challenge facing the market is the shortage of skilled professionals in the field of industrial microbiology. As demand for microbial testing, quality assurance, and bioprocessing continues to rise across sectors, the gap between market needs and the availability of technically trained personnel has become more pronounced.

Industrial microbiology requires specialized knowledge in microbial processes, laboratory instrumentation, data analysis, and regulatory compliance. Although Saudi Arabia has made progress in building a skilled scientific workforce, the shortage of personnel with hands-on experience in advanced microbiological methods limits market scalability and operational efficiency.

This talent gap is particularly critical for laboratories and facilities adopting cutting-edge microbiology equipment and technologies, where accuracy and compliance are paramount. Closing this skills gap will be essential to sustaining long-term market growth and ensuring widespread adoption of industrial microbiology solutions.

## Key Market Trends

### Rising Demand for Fermentation-Based Products

One of the most prominent trends in Saudi Arabia's industrial microbiology market is the increasing demand for fermentation-derived products. In February 2025, U.S.-based Liberation Labs raised USD 50.5 million to construct precision fermentation facilities in both Richmond and Saudi Arabia, with the goal of producing cost-efficient, precision-

fermented ingredients through a global manufacturing network.

Fermentation is a critical component in the pharmaceutical, biotechnology, food, and agriculture sectors. Its growing relevance stems from the push for sustainable production, biotechnological innovation, and expanded pharmaceutical capabilities.

In Saudi Arabia, demand is surging for fermentation-based products such as enzymes, probiotics, antibiotics, and bio-based chemicals. These products play a vital role in drug development, vaccine production, and biologics manufacturing, especially as the country ramps up efforts to combat infectious diseases and chronic illnesses.

The expansion of healthcare infrastructure and pharmaceutical manufacturing is expected to further elevate the need for fermentation technologies, reinforcing the strategic importance of industrial microbiology products in supporting national healthcare and industrial objectives.

### Key Market Players

Bio-Rad Laboratories, Inc.

Medical Business Center Co.

Danaher Corporation

3M Company

bioMérieux SA

### Report Scope

In this report, the Saudi Arabia Industrial Microbiology Product Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Saudi Arabia Industrial Microbiology Product Market, By Product:

Equipment and Systems

Reaction Consumables

Laboratory Supplies

Others

Saudi Arabia Industrial Microbiology Product Market, By Region:

Eastern

Western

Northern & Central

Southern

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia Industrial Microbiology Product Market.

Available Customizations:

Saudi Arabia Industrial Microbiology Product Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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