

# **Marine Biotechnology Market Size, Trends, Analysis, and Outlook By Type (Bio Active Substance, Bio Materials), By Technology (Isolation and Cultivation of Microorganisms, Culture-Independent Techniques), By Application (Aquaculture and Food Products, Environment & Human Health, Drug Discovery), By End-user (Food Industry, Pharmaceutical and Biotechnology Industry, Chemical Industry, Cosmetic Industry), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Marine Biotechnology market size is poised to register 8.83% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Marine Biotechnology market across By Type (Bio Active Substance, Bio Materials), By Technology (Isolation and Cultivation of Microorganisms, Culture-Independent Techniques), By Application (Aquaculture and Food Products, Environment & Human Health, Drug Discovery), By End-user (Food Industry, Pharmaceutical and Biotechnology Industry, Chemical Industry, Cosmetic Industry).

The Marine Biotechnology Market is experiencing growth driven by the exploration of marine organisms and ecosystems for novel bioactive compounds, enzymes, and genetic resources with applications in pharmaceuticals, cosmetics, food, and agriculture. Marine biotechnology encompasses a wide range of research areas including marine genomics, metagenomics, bioprospecting, and aquaculture. Key

trends shaping its future include the discovery of bioactive molecules from marine organisms with therapeutic properties such as antimicrobial, anticancer, and anti-inflammatory activities, the development of sustainable aquaculture practices and bioremediation technologies for marine resource conservation and environmental protection, and the integration of omics technologies and big data analytics for high-throughput screening and drug discovery. Additionally, factors such as the increasing demand for natural products and biopharmaceuticals, the expansion of marine protected areas and marine biodiversity research initiatives, and the collaborations between academia, industry, and government agencies are expected to drive market growth in 2024 and beyond.

### Marine Biotechnology Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Marine Biotechnology market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Marine Biotechnology survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Marine Biotechnology industry.

### Key market trends defining the global Marine Biotechnology demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Marine Biotechnology Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Marine Biotechnology industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Marine Biotechnology companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Marine Biotechnology industry

Leading Marine Biotechnology companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Marine Biotechnology companies.

## Marine Biotechnology Market Study- Strategic Analysis Review

The Marine Biotechnology market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

## Marine Biotechnology Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Marine Biotechnology industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Marine Biotechnology Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

**North America Marine Biotechnology Market Size Outlook- Companies plan for focused investments in a changing environment**

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Marine Biotechnology market segments. Similarly, Strong end-user demand is encouraging Canadian Marine Biotechnology companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Marine Biotechnology market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe Marine Biotechnology Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities**

The German industry remains the major market for companies in the European Marine Biotechnology industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Marine Biotechnology market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Marine Biotechnology Market Size Outlook- an attractive hub for opportunities for both local and global companies**

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Marine Biotechnology in Asia Pacific. In particular, China, India, and South East Asian Marine Biotechnology markets present a compelling outlook for 2030, acting as a magnet for both domestic

and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

#### Latin America Marine Biotechnology Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

#### Middle East and Africa Marine Biotechnology Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Marine Biotechnology market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Marine Biotechnology.

#### Marine Biotechnology Market Company Profiles

The global Marine Biotechnology market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Abbott Laboratories, Aker Biomarine, Aquapharm, Biotech Marine, CP Kelco US Inc, Cyanotech Corp, Earthrise Nutritionals, GlycoMar Ltd., Lonza Group Ltd., Marinova, NEB, New England Biolabs Inc, Nofima, NovaMatrix, Nutrex Hawaii Inc, PharmaMar S.A., Prolume Ltd., Qingdao Codo International Ltd., Royal DSM N.V., Sams, Sea Run Holdings Inc, SEPPIC, Tequesta Bioventures

#### Recent Marine Biotechnology Market Developments

The global Marine Biotechnology market study presents recent market news and

developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Marine Biotechnology Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

## Market Segmentation:

By Type

Bio Active Substance

Bio Materials

By Technology

*Marine Biotechnology Market Size, Trends, Analysis, and Outlook By Type (Bio Active Substance, Bio Materials),...*

Isolation and Cultivation of Microorganisms

Culture-Independent Techniques

By Application

Aquaculture and Food Products

Environment & Human Health

Drug Discovery

By End-User

Food Industry

Pharmaceutical and Biotechnology Industry

Chemical Industry

Cosmetic Industry

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott Laboratories

Aker Biomarine

Aquapharm

Biotech Marine

CP Kelco US Inc

Cyanotech Corp

Earthrise Nutritionals

GlycoMar Ltd.

Lonza Group Ltd.

Marinova

NEB

New England Biolabs Inc

Nofima

NovaMatrix

Nutrex Hawaii Inc

PharmaMar S.A.

Prolume Ltd.

Qingdao Codo International Ltd.

Royal DSM N.V.

Sams



Sea Run Holdings Inc

SEPPIC

Tequesta Bioventures

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By Technology

Isolation and Cultivation of Microorganisms

Culture-Independent Techniques

By Application

Aquaculture and Food Products

Environment & Human Health

Drug Discovery

By End-User

Food Industry

Pharmaceutical and Biotechnology Industry

Chemical Industry

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Aker Biomarine

Aquapharm

Biotech Marine

CP Kelco US Inc

Cyanotech Corp

Earthrise Nutritionals

GlycoMar Ltd.

Lonza Group Ltd.

Marinova

NEB

New England Biolabs Inc

Nofima

NovaMatrix

Nutrex Hawai Inc

PharmaMar S.A.

Prolume Ltd.

Qingdao Codo International Ltd.

Royal DSM N.V.

Sams

Sea Run Holdings Inc

SEPPIC

Tequesta Bioventures

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