

# **Metagenomics Market Size, Trends, Analysis, and Outlook By Technology (Shotgun Sequencing, 16S Sequencing, Whole Genome Sequencing, Others), By Product (Kits & Reagents, Sequencing & Data Analytics Services, Software), By Application (Environmental, Clinical Diagnostics, Drug Discovery, Biotechnology, Food & Nutrition, Others), By Workflow (Pre-sequencing, Sequencing, Data Analysis), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Metagenomics market size is poised to register 15.88% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Metagenomics market across By Technology (Shotgun Sequencing, 16S Sequencing, Whole Genome Sequencing, Others), By Product (Kits & Reagents, Sequencing & Data Analytics Services, Software), By Application (Environmental, Clinical Diagnostics, Drug Discovery, Biotechnology, Food & Nutrition, Others), By Workflow (Pre-sequencing, Sequencing, Data Analysis).

The Metagenomics Market is experiencing growth driven by the increasing applications of metagenomic sequencing and analysis in microbiome research, infectious disease surveillance, environmental monitoring, and drug discovery. Metagenomics is a powerful approach used to study the genetic material of microbial communities in complex ecosystems such as soil, water, air, and the human body, without the need for microbial isolation or cultivation. Key trends shaping its future include the development

of high-throughput sequencing platforms and bioinformatics tools for metagenomic data analysis, taxonomic profiling, and functional annotation, the integration of multi-omics approaches such as metatranscriptomics, metaproteomics, and metabolomics for comprehensive microbial characterization and ecosystem modeling, and the customization of metagenomics workflows and analysis pipelines to address specific research questions and application domains. Additionally, factors such as the increasing awareness of the microbiome's role in health and disease, the expansion of metagenomic studies in agriculture, food safety, and biotechnology, and the investments in metagenomics infrastructure and research collaborations are expected to drive market growth in 2024 and beyond.

### Metagenomics 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 Metagenomics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Metagenomics 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 Metagenomics industry.

### Key market trends defining the global Metagenomics 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.

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

The Metagenomics 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 Metagenomics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

### Key strategies adopted by companies within the Metagenomics industry

Leading Metagenomics 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 Metagenomics companies.

### Metagenomics Market Study- Strategic Analysis Review

The Metagenomics 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.

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

The Metagenomics 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.

### Metagenomics 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 Metagenomics 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 Metagenomics market segments. Similarly, Strong end-user demand is encouraging Canadian Metagenomics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Metagenomics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

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

The German industry remains the major market for companies in the European Metagenomics 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 Metagenomics 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 Metagenomics 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 Metagenomics in Asia Pacific. In particular, China, India, and South East Asian Metagenomics 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 Metagenomics 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 Metagenomics 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 Metagenomics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Metagenomics.

**Metagenomics Market Company Profiles**

The global Metagenomics 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 Bio-Rad Laboratories, F. Hoffmann-La Roche Ltd, Illumina Inc, Novogene Co. Ltd, Oxford Nanopore Technologies, PerkinElmer Inc, Promega Corp, QIAGEN, Takara Bio Inc, Thermo Fisher Scientific Inc

**Recent Metagenomics Market Developments**

The global Metagenomics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

**Metagenomics 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 Technology

Shotgun Sequencing

16S Sequencing

Whole Genome Sequencing

Others

By Product

Kits & Reagents

Sequencing & Data Analytics Services

Software

By Application

Environmental

Clinical Diagnostics

Drug Discovery

Biotechnology

Food & Nutrition

Others

By Workflow

Pre-sequencing

Sequencing

Data Analysis

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Bio-Rad Laboratories

F. Hoffmann-La Roche Ltd

Illumina Inc

Novogene Co. Ltd

Oxford Nanopore Technologies

PerkinElmer Inc

Promega Corp

QIAGEN

Takara Bio Inc

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT



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Whole Genome Sequencing

Others

By Product

Kits & Reagents

Sequencing & Data Analytics Services

Software

By Application

Environmental

Clinical Diagnostics

Drug Discovery

Biotechnology

Food & Nutrition

Others

By Workflow

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