

# **Metagenomics Sequencing Market by Product & Service (Reagents & Consumables, Instruments, and Services), Technology (Shotgun Metagenomics Sequencing, 16S rRNA Sequencing, Whole Genome Sequencing & De Novo Assembly, and Metatranscriptomics), and Application (Ecological & Environmental Metagenomics, Clinical Diagnostics, Drug Discovery, Biofuel, and Industrial Application) Global Opportunity Analysis and Industry Forecast, 2021–2028**

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## **Abstracts**

The global metagenomics sequencing market was valued at \$974.30 million in 2020, and is projected to reach \$3,646.53 million by 2028, registering a CAGR of 17.5% from 2021 to 2028.

Metagenomics is the study of genetic material in modern genomics technique using a suite of genomic tools to directly access their genetic content from the community of organisms. Metagenomics process has been responsible for substantial advances in microbial ecology, evolution, and diversity, this activity is mainly engaged in many research laboratories now. The global metagenomics sequencing market growth is largely driven by factors such as significant applications of metagenomics in various fields, various initiatives and funding from government & private bodies for large-scale sequencing projects, and decline in cost of sequencing. Prominent players in the global metagenomics sequencing market have opted various strategies such as product launches, approvals, and investments in R&D for advancement in metagenomics

sequencing to strengthen their position in the market and sustain the competitive environment.

Rise in technologies such as shotgun metagenomics sequencing, 16S rRNA sequencing, whole-genome sequencing & de novo assembly, and metatranscriptomics drive the growth of the metagenomics sequencing market over the forecast period.

These estimates are expected to boost the demand for global metagenomics sequencing in the coming years. In addition, progressive and dynamic development of faster sequencing techniques and advancements in experiments is increasing the amount of data generated, which is expanding the researchers' capacity to analyze microbial communities from an unlimited variety of habitats and environments and also increasing the bioinformatics data which fuel the growth of the market.

On the other hand requirement for parallel advancement in various isolation and identification techniques, more efficient & robust bioinformatics tools, and dearth of highly skilled professionals are limitations of this market and restrict the market growth. Conversely, emerging markets, rise in interests of key players and researcher toward metagenomics sequencing, and increase in demand for genomic sequencing in laboratories and research centers are expected to provide lucrative opportunities for the growth of the market in near future.

The global metagenomics sequencing market is segmented on the basis of product & services, technology, application, and region. By product & service, the market is classified into reagents & consumables, instrument, and services. The services segment is further segmented into analysis & data interpretation solutions and metagenomic sequencing services. By technology, the market is categorized into shotgun metagenomics sequencing, 16S rRNA sequencing, whole genome sequencing & de novo assembly, and metatranscriptomics. The applications covered in the study include drug discovery, ecological & environmental metagenomics, clinical diagnostics, biofuel, and industrial applications. Region wise, the market is thoroughly analyzed across North America, Europe, Asia-Pacific, and LAMEA.

This market has witnessed several product launches and approvals over the past few years. This is evident from the strategic launch, in December 2020, Eurofins launched ARTIC Next Generation Sequencing (NGS) service. ARTIC SARS-CoV-2 Whole Genome Sequencing service includes NGS and detailed reporting for universal end-to-end surveillance of pandemic development, while the QIAGEN launched of the QIAGEN Digital Insights Partnership program for genomic vendors to leverage QIAGEN's

genomic content and analysis leadership to expand customer access and deliver extended genomic solutions for scientists and clinicians in February 2021.

## KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the market along with current trends and future estimations to elucidate the imminent investment pockets

The report provides a quantitative analysis for the period of 2021–2028 to enable stakeholders to capitalize on the prevailing market opportunities

Extensive analysis of the market based on products & services helps understand the type of technologies used to metagenomics sequencing

Competitive intelligence highlights the business practices followed by leading players across various regions

Comprehensive analysis of all geographic regions help determine the prevailing opportunities in these regions

Key market players and their strategies are analyzed to understand the competitive outlook of the overall market

Extensive analysis of the market is conducted by following key product positioning and monitoring the top contenders within the market framework.

## KEY MARKET SEGMENTS

### By Product & Service

Reagents & Consumables

Instruments

Services

Analysis & Data Interpretation Solutions

Metagenomic Sequencing Services

### By Technology

Shotgun Metagenomics Sequencing

16S rRNA Sequencing

Whole Genome Sequencing & De Novo Assembly

Metatranscriptomics

### By Application

Drug Discovery

Ecological & Environmental Metagenomics

Clinical Diagnostics

Biofuel

Industrial Applications

### By Region

North America

U.S.

Canada

Mexico

## Europe

Germany

France

UK

Italy

Rest of Europe

## Asia-Pacific

Japan

China

India

Australia

Rest of Asia-Pacific

## LAMEA

Brazil

South Africa

Saudi Arabia

Rest of LAMEA

## KEY MARKET PLAYERS

BGI Genomics Co., Ltd.

Eurofins Genomics

Illumina, Inc.

Macrogen Inc.

Oxford Nanopore Technologies Ltd

Pacific Biosciences of California, Inc.

PerkinElmer Inc.

QIAGEN N.V.

Swift Biosciences Inc.

Thermo Fisher Scientific Inc.

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