

Next-Generation Sequencing (NGS) Market 2022-2027 Size, Share, Global Trends, Segmentation and Competitive Outlook

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[/EINPresswire.com/](https://www.einpresswire.com/) -- According to

IMARC Group's latest report, titled

["Next-Generation Sequencing \(NGS\)](#)

[Market: Global Industry Trends, Share,](#)

[Size, Growth, Opportunity and Forecast](#)

[2022-2027"](#), the global next-generation

sequencing market reached a value of

US\$ 13.82 Billion in 2021. Looking

forward, IMARC Group expects the

market to reach US\$ 40.25 Billion by

2027, exhibiting at a CAGR of 19.5% during 2022-2027. Next-generation sequencing (NGS) offers ultra-high scalability, throughput, and high speed to determine the order of nucleotides in a DNA molecule. NGS is a parallel sequencing technology which has the ability to create a million RNA sequences and DNA molecules per second, enabling rapid sequencing. It is extensively being integrated into testing, clinical analysis, and [disease](#) diagnostics in the healthcare sector across the globe.



We are regularly tracking the direct effect of COVID-19 on the market, along with the indirect influence of associated industries. These observations will be integrated into the report.

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Industry Trends and Drivers:

The next-generation sequencing market is primarily driven by the increasing use of NGS in the treatment of cancer and other chronic ailments. Apart from this, the improving reimbursement scenario for NGS-based diagnostic tests, rapid technological advancements, and the introduction of cost-efficient next-generation sequencing systems by key players are providing a considerable boost to the market growth. Other factors, such as the rapidly increasing healthcare expenditure and extensive research and development (R&D) activities in the field of genomics, are creating a positive outlook for the market.

Next Generation Sequencing Market 2022-2027 Competitive Analysis and Segmentation:

Competitive Landscape With Key Players:

The competitive landscape of the next-generation sequencing market has been studied in the report with the detailed profiles of the key players operating in the market.

Some of these key players include:

- Agilent Technologies
- Becton Dickinson and Company
- Illumina Inc.
- BGI Group
- Eurofins Scientific
- E. Hoffmann-La Roche AG
- Illumina Inc.
- Genewiz
- Macrogen
- Oxford Nanopore Technologies
- Pacific Biosciences
- PerkinElmer
- Thermo Fisher Scientific
- Qiagen N.V.
- GenapSys Inc.

Key Market Segmentation:

The report has segmented the global next-generation sequencing market on the basis of sequencing type, product type, technology, application, end-user and region.

Breakup by Sequencing Type:

- Whole Genome Sequencing
- Targeted Resequencing
- Whole Exome Sequencing
- RNA Sequencing
- CHIP Sequencing
- De Novo Sequencing
- Methyl Sequencing
- Others

Breakup by Product Type:

- Instruments
- Reagents and Consumables
- Software and Services

Breakup by Technology:

- Sequencing by Synthesis
- Ion Semiconductor Sequencing
- Single-Molecule Real-Time Sequencing
- Nanopore Sequencing
- Others

Breakup by Application:

- [Drug Discovery](#) and Personalized Medicine
- Genetic Screening
- Diagnostics
- Agriculture and Animal Research
- Others

Breakup by End-User:

- Academic Institutes & Research Centers
- Hospitals & Clinics
- Pharmaceutical & Biotechnology Companies
- Others

Breakup by Region:

- North America (United States, Canada)
- Asia Pacific (China, Japan, India, Australia, Indonesia, Korea, Others)
- Europe (Germany, France, United Kingdom, Italy, Spain, Others)
- Latin America (Brazil, Mexico, Others)
- Middle East and Africa (Egypt, United Arab Emirates, Saudi Arabia, Turkey, Iran, Others)

Ask Analyst for Customization and Explore Full Report With TOC & List of Figures: <https://www.imarcgroup.com/request?type=report&id=2039&flag=C>

Key Highlights of the Report:

- Market Performance (2016-2021)
- Market Outlook (2022-2027)

- Market Trends
- Market Drivers and Success Factors
- Impact of COVID-19
- Value Chain Analysis
- Comprehensive mapping of the competitive landscape

If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

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IMARC Group is a leading market research company that offers management strategy and market research worldwide. We partner with clients in all sectors and regions to identify their highest-value opportunities, address their most critical challenges, and transform their businesses.

IMARC's information products include major market, scientific, economic and technological developments for business leaders in pharmaceutical, industrial, and high technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology and novel processing methods are at the top of the company's expertise.

Our offerings include comprehensive market intelligence in the form of research reports, production cost reports, feasibility studies, and consulting services. Our team, which includes experienced researchers and analysts from various industries, is dedicated to providing high-quality data and insights to our clientele, ranging from small and medium businesses to Fortune 1000 corporations.

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