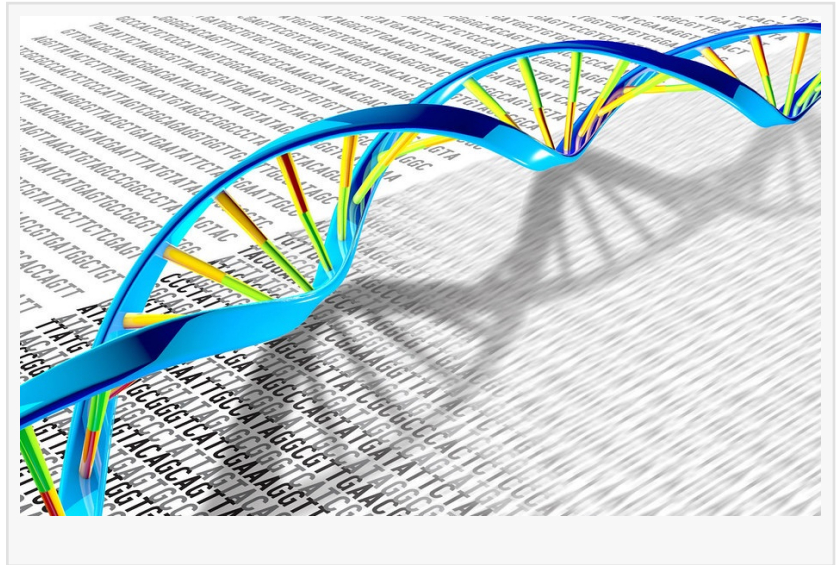


# Next Generation Sequencing Market: Revolutionizing Genomic Analysis - Next Generation Sequencing

*The global next generation sequencing market size is projected to reach \$35,503.66 million by 2030, registering a CAGR of 18.2% from 2021 to 2030.*

PORTLAND, OREGON, UNITED STATES, April 17, 2023 /EINPresswire.com/ -- Next generation sequencing (NGS) has revolutionized the field of genomics by enabling the analysis of genetic material at unprecedented speed and depth. NGS, also known as high-throughput sequencing, refers to a set of technologies that allow for the



simultaneous sequencing of multiple DNA or RNA molecules, providing a comprehensive view of genetic information. The global [next generation sequencing market](#) size accounted for \$6,598.62 million in 2020, and is projected to reach \$35,503.66 million by 2030, registering a CAGR of 18.2% from 2021 to 2030.

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NGS has many advantages over traditional sequencing methods, such as Sanger sequencing. NGS is faster, more accurate, and more cost-effective, making it possible to analyze entire genomes or transcriptomes in a single run. Additionally, NGS can detect genetic variations, such as single nucleotide polymorphisms (SNPs) and structural variations, that may be missed by other methods.

Major market players covered in the report, such as -

Agilent Technologies, Inc.,

BGI Group,

F. Hoffmann-La Roche AG,

Illumina Inc,

Precigen Inc.,

(Intrexon Bioinformatics Germany GmbH),

Pacific Biosciences of California, Inc.,

PerkinElmer, Inc.,

PierianDx Inc.,

Qiagen N.V., and

Thermo Fisher Scientific Inc.

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<https://www.alliedmarketresearch.com/next-generation-sequencing-market/purchase-options>

Key Benefits for Stakeholders -

- The report provides quantitative analysis of market segments, current trends, strategies and potential of Next Generation Sequencing Market research to identify potential Next Generation Sequencing Market opportunities in genetics.
- In-depth analysis of this sector helps identify current market opportunities.
- Market analysis and information related to key drivers, restraints and opportunities are provided. • Porter's Five Forces Analysis identifies the capabilities of buyers and suppliers to enable stakeholders to make profitable business decisions and strengthen the network of buyers.
- The largest countries in each region are listed according to their contribution to the global market.
- Focusing on market players makes benchmarking easier and provides a clear understanding of the current market situation.
- The report includes regional and global Next Generation Sequencing Market analysis, key players, market segments, application areas and Market growth strategies.

NGS has numerous applications in research, clinical diagnostics, and personalized medicine. In research, NGS can be used to study genetic diseases, identify biomarkers, and study the microbiome. In clinical diagnostics, NGS can be used to diagnose genetic disorders, detect

cancer mutations, and monitor treatment response. In personalized medicine, NGS can be used to tailor treatments to an individual's genetic makeup, improving efficacy and reducing side effects.

NGS has also enabled the emergence of new fields, such as metagenomics and epigenomics. Metagenomics allows for the study of entire microbial communities, providing insights into microbial diversity and function. Epigenomics allows for the study of changes in gene expression, which can have important implications for disease development and progression.

In conclusion, NGS has revolutionized the field of genomics, providing a powerful tool for the analysis of genetic material. The speed, accuracy, and cost-effectiveness of NGS have opened up new possibilities in research, clinical diagnostics, and personalized medicine, paving the way for a more comprehensive understanding of genetic diseases and new approaches to treatment.

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Frequently Asked Questions?

Q1. What is the total market value of Next Generation Sequencing Market report?

Q2. Which are the top companies holding the market share in Next Generation Sequencing Market?

Q3. Which are the largest regions for this Market?

Q4. What is the leading technology of Next Generation Sequencing Market?

Q5. What are the major drivers for this specific Market?

Q6. What are the upcoming key trends in the Next Generation Sequencing Market report?

About Us -

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Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various research

data tables and confirms utmost accuracy in our market forecasting. Each and every us companies and this helps us in digging out market data that helps us generate accurate y data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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