

Global Next Generation DNA Sequencing Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Next Generation DNA Sequencing market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Next-generation DNA sequencing (NGS), also known as high-throughput sequencing, refers to advanced sequencing technologies that enable the rapid and parallel sequencing of millions of DNA strands simultaneously. Unlike traditional Sanger sequencing, NGS allows for high-throughput, cost-effective, and efficient analysis of DNA sequences. This technology has revolutionized genomics, enabling researchers to sequence entire genomes, identify genetic variations, and study complex biological processes.

The market for next-generation DNA sequencing is driven by the increasing demand for advanced genomic technologies in various fields, including medical research, diagnostics, and personalized medicine. NGS has applications in genomics research, cancer genomics, infectious disease studies, and rare disease diagnostics. Continuous technological advancements, reduced sequencing costs, and the growing importance of genomics in healthcare contribute to the growth of the NGS market.

The Global Info Research report includes an overview of the development of the Next Generation DNA Sequencing industry chain, the market status of Universities & Other Research Entities (Solexa Sequencing, 454 Sequencing), Hospitals & Clinics (Solexa Sequencing, 454 Sequencing), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Next Generation DNA Sequencing.

Regionally, the report analyzes the Next Generation DNA Sequencing markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Next Generation DNA Sequencing market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Next Generation DNA Sequencing market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Next Generation DNA Sequencing industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Solexa Sequencing, 454 Sequencing).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Next Generation DNA Sequencing market.

Regional Analysis: The report involves examining the Next Generation DNA Sequencing market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Next Generation DNA Sequencing market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Next Generation DNA Sequencing:

Company Analysis: Report covers individual Next Generation DNA Sequencing players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Next Generation DNA Sequencing. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Universities & Other Research Entities, Hospitals & Clinics).

Technology Analysis: Report covers specific technologies relevant to Next Generation DNA Sequencing. It assesses the current state, advancements, and potential future developments in Next Generation DNA Sequencing areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Next Generation DNA Sequencing market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Next Generation DNA Sequencing market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Solexa Sequencing

454 Sequencing

Proton / PGM Sequencing

Market segment by Application

Universities & Other Research Entities

Hospitals & Clinics

Pharma & Biotech Entities

Others

Market segment by players, this report covers

Quest Diagnostics Incorporated

ARUP Laboratories

Applied Biological Materials, Inc. (abm)

Novogene Co, Ltd.

Azenta Life Sciences (GENEWIZ)

NanoString

Illumina, Inc.

PacBio

Veritas

BGI (Beijing Genomics Institute)

Gene by Gene Ltd.

Lucigen Corporation

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Next Generation DNA Sequencing product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Next Generation DNA Sequencing, with revenue, gross margin and global market share of Next Generation DNA Sequencing from 2019 to 2024.

Chapter 3, the Next Generation DNA Sequencing competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Next Generation DNA Sequencing market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Next Generation DNA Sequencing.

Chapter 13, to describe Next Generation DNA Sequencing research findings and conclusion.

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