

Next Generation Sequencing Services Market Size, Trends, Analysis, and Outlook By Type (Human Genome Sequencing, Single Cell Sequencing, Microbial Genome-based Sequencing, Gene Regulation Services, Small RNA Sequencing, ChIP Sequencing, Others, Animal & Plant Sequencing, Others), By Workflow (Pre-sequencing, Sequencing, Data Analysis), By End-User (Research Institutes, Hospitals & Clinics, Pharma & Biotech Entities, Others), by Country, Segment, and Companies, 2024-2032

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Abstracts

The global Next Generation Sequencing Services market size is poised to register 21.6% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Next Generation Sequencing Services market across By Type (Human Genome Sequencing, Single Cell Sequencing, Microbial Genome-based Sequencing, Gene Regulation Services, Small RNA Sequencing, ChIP Sequencing, Others, Animal & Plant Sequencing, Others), By Workflow (Pre-sequencing, Sequencing, Data Analysis), By End-User (Research Institutes, Hospitals & Clinics, Pharma & Biotech Entities, Others)

The future of the Next Generation Sequencing (NGS) services market is influenced by increasing demand for outsourced sequencing solutions, growing complexity of genomic data analysis, and expanding applications in clinical research and diagnostics. NGS services providers offer end-to-end sequencing solutions, including sample preparation,

library construction, sequencing, data analysis, and bioinformatics support, to academic, clinical, and pharmaceutical customers. With the rise of personalized medicine and translational research, there is a growing need for NGS services that offer rapid turnaround times, high-quality data, and actionable insights for clinical decision-making. Further, technological innovations such as cloud-based data storage, machine learning algorithms, and automated pipelines are driving the development of next-generation NGS services with improved scalability, reproducibility, and cost-effectiveness. Over the forecast period to 2030, expanding applications in rare disease diagnosis, infectious disease surveillance, and pharmacogenomics, coupled with increasing collaborations between NGS service providers and healthcare institutions, are expected to drive market growth and innovation, enabling researchers and clinicians to leverage the power of genomic data for precision medicine and improved patient care.

Next Generation Sequencing Services 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 Next Generation Sequencing Services market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Next Generation Sequencing Services 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 Next Generation Sequencing Services industry.

Key market trends defining the global Next Generation Sequencing Services 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.

Next Generation Sequencing Services Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Next Generation Sequencing Services 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 Next Generation Sequencing Services companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Next Generation Sequencing Services industry

Leading Next Generation Sequencing Services 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 Next Generation Sequencing Services companies.

Next Generation Sequencing Services Market Study- Strategic Analysis Review

The Next Generation Sequencing Services 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.

Next Generation Sequencing Services Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Next Generation Sequencing Services 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 2032 in three case scenarios- low case, reference case, and high case scenarios.

Next Generation Sequencing Services Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. 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 2032.

North America Next Generation Sequencing Services 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 healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Next Generation Sequencing Services market segments. Similarly, Strong market demand is encouraging Canadian Next Generation Sequencing Services companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Next Generation Sequencing Services market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Next Generation Sequencing Services Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Next Generation Sequencing Services 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 vendors in identifying and leveraging new growth prospects positions the European Next Generation Sequencing Services 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 Next Generation Sequencing Services 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 Next Generation Sequencing Services in Asia Pacific. In particular, China, India, and South East Asian Next Generation Sequencing Services markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors 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 countries in the APAC region.

Latin America Next Generation Sequencing Services 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 Next Generation Sequencing Services 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 Next Generation Sequencing Services market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Next Generation Sequencing Services.

Next Generation Sequencing Services Market Company Profiles

The global Next Generation Sequencing Services 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 Applied

Biological Materials Inc, ARUP Laboratories, Azenta Life Sciences, BGI Group, Gene By Gene Ltd, Illumina Inc, Lucigen Corp, NanoString Technologies Inc, Novogene Co. Ltd, Pacific Biosciences of California Inc, Quest Diagnostics Inc, Veritas Genetics.

Recent Next Generation Sequencing Services Market Developments

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

Next Generation Sequencing Services Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (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 Type

Human Genome Sequencing

Single Cell Sequencing

Microbial Genome-based Sequencing

Gene Regulation Services

Small RNA Sequencing

ChIP Sequencing

Others

Animal & Plant Sequencing

Others

By Workflow

Pre-sequencing

Sequencing

Data Analysis

By End-User

Research Institutes

Hospitals & Clinics

Pharma & Biotech Entities

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Applied Biological Materials Inc

ARUP Laboratories

Azenta Life Sciences

BGI Group

Gene By Gene Ltd

Illumina Inc

Lucigen Corp

NanoString Technologies Inc

Novogene Co. Ltd

Pacific Biosciences of California Inc

Quest Diagnostics Inc

Veritas Genetics

Formats Available: Excel, PDF, and PPT

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By Type

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Single Cell Sequencing

Microbial Genome-based Sequencing

Gene Regulation Services

Small RNA Sequencing

ChIP Sequencing

Others

Animal & Plant Sequencing

Others

By Workflow

Pre-sequencing

Sequencing

Data Analysis

By End-User

Research Institutes

Hospitals & Clinics

Pharma & Biotech Entities

Others

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Illumina Inc

Lucigen Corp

NanoString Technologies Inc

Novogene Co. Ltd

Pacific Biosciences of California Inc

Quest Diagnostics Inc

Veritas Genetics.

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