

Next-generation Sequencing (NGS) Market by Product & Service (Consumables, Platforms, Services), Technology (SBS, Nanopore), Application (Diagnostic, Drug Discovery, Agriculture), End User (Pharma, Biotech, Academic) - Global Forecast to 2027

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Abstracts

The global next-generation sequencing market is projected to reach USD 27.0 billion by 2027 from USD 13.0 billion in 2022, at a CAGR of 15.7% during the forecast period of 2022 to 2027. Increasing applications of NGS in cancer research, growing incidence of cancer and launch of new NGS platforms and consumables are some factors projected to drive the growth of the NGS market.

Consumables segment accounted for the largest share of next-generation sequencing market

On the basis of product & service, the next-generation sequencing market segmented into NGS consumables, sequencing services, presequencing products & services, NGS platforms, services for NGS platforms, and bioinformatics. In 2021, NGS consumables accounted for the largest share, owing to recent launch of new reagents and kits, and increasing in number of R&D activities in genomics.

Sequencing by synthesis segment accounted for the largest share of next-generation sequencing market

Based on technology, the next-generation sequencing market is segmented into sequencing by synthesis, ion semiconductor sequencing, nanopore sequencing, single-molecule real-time sequencing, and other sequencing technologies. In 2021, the sequencing by synthesis segment grabbed largest share in the NGS market owing to

launch of new NGS platforms based on sequencing by synthesis technology.

The prominent players in NGS market are Illumina (US), Thermo Fisher Scientific (US), PerkinElmer (US), BGI Group (China), Agilent Technologies (US), Eurofins Scientific (Luxembourg), Pacific Biosciences (US), Oxford Nanopore Technologies (UK), QIAGEN (Netherlands), F. Hoffmann-La Roche AG (Switzerland), Brooks Automation (US), Psomagen, Inc. (US), 10x Genomics (US), Tecan Group (Switzerland), Zymo Research (US), Takara Bio (Japan), Promega Corporation (US), CD Genomics (US), New England Biolabs (US), and Novogene Corporation (China). Other players in the market include Hamilton Company (US), MedGenome (US), Becton, Dickinson and Company (US), Genotypic Technology (India), and LGC Limited (US).

“North America: Accounted for the largest share in the next-generation sequencing market”

North America accounted for the largest share of the next-generation sequencing market. Factors such as availability of research funding and the development of NGS data analysis solutions are the major factors driving the market growth.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 80% and Demand Side - 20%

By Designation: Managers- 45%, CXOs and Director level - 30%, and Executives - 25%

By Region: North America -20%, Europe -10%, Asia-Pacific -55%, RoW -15%

List of Companies Profiled in the Report:

Illumina (US)

Thermo Fisher Scientific (US)

PerkinElmer (US)

BGI Group (China)

Agilent Technologies (US)

Eurofins Scientific (Luxembourg)

Pacific Biosciences (US)

Oxford Nanopore Technologies (UK)

QIAGEN (Netherlands)

F. Hoffmann-La Roche AG (Switzerland)

Brooks Automation (US)

Psomagen, Inc. (US)

10x Genomics (US)

Tecan Group (Switzerland)

Zymo Research (US)

Takara Bio (Japan)

Promega Corporation (US)

CD Genomics (US)

New England Biolabs (US)

Novogene Corporation (China)

Hamilton Company (US)

MedGenome (US)

Becton, Dickinson and Company (US)

Genotypic Technology (India)

LGC Limited (US)

Research Coverage:

This report provides a detailed picture of the next-generation sequencing market. It aims at estimating the size and future growth potential of the market across different segments such as the product, application, end users and region. The report also includes an in-depth competitive analysis of the key market players along with their company profiles recent developments and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall next-generation sequencing market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, challenges, and opportunities.

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12.1.3 PERKINELMER

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12.1.4 AGILENT TECHNOLOGIES, INC.

TABLE 501 AGILENT TECHNOLOGIES, INC.: BUSINESS OVERVIEW

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12.1.5 PACIFIC BIOSCIENCES

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TABLE 504 BGI GROUP: BUSINESS OVERVIEW

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TABLE 505 QIAGEN: BUSINESS OVERVIEW

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TABLE 507 EUROFINS SCIENTIFIC: BUSINESS OVERVIEW

FIGURE 45 EUROFINS SCIENTIFIC: COMPANY SNAPSHOT (2021)

12.1.11 BROOKS AUTOMATION, INC.

TABLE 508 BROOKS AUTOMATION, INC.: BUSINESS OVERVIEW

FIGURE 46 BROOKS AUTOMATION, INC.: COMPANY SNAPSHOT (2021)

12.1.12 PSOMAGEN

TABLE 509 PSOMAGEN: BUSINESS OVERVIEW

12.1.13 10X GENOMICS

TABLE 510 10X GENOMICS: BUSINESS OVERVIEW

12.1.14 TECAN TRADING GROUP

TABLE 511 TECAN TRADING GROUP: BUSINESS OVERVIEW

FIGURE 47 TECAN GROUP: COMPANY SNAPSHOT (2021)

12.1.15 ZYMO RESEARCH

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12.1.16 TAKARA BIO

TABLE 513 TAKARA BIO: BUSINESS OVERVIEW

FIGURE 48 TAKARA BIO: COMPANY SNAPSHOT (2021)

12.1.17 PROMEGA CORPORATION

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12.1.18 CD GENOMICS

TABLE 515 CD GENOMICS: BUSINESS OVERVIEW

12.1.19 NEW ENGLAND BIOLABS

TABLE 516 NEW ENGLAND BIOLABS: BUSINESS OVERVIEW

12.1.20 NOVOGENE CORPORATION INC.

TABLE 517 NOVOGENE CORPORATION INC.: BUSINESS OVERVIEW

*Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments might not be captured in case of unlisted companies.

12.2 OTHER COMPANIES

12.2.1 HAMILTON COMPANY

12.2.2 MEDGENOME

12.2.3 BECTON, DICKINSON AND COMPANY

12.2.4 COSMOSID, INC.

12.2.5 GENOTYPIC TECHNOLOGY

12.2.6 LGC LIMITED

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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