

Next Generation Sequencing (NGS) Services Market- Global Opportunity Analysis And Industry Forecast (2018-2023)

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Abstracts

Next Generation Sequencing (NGS) Services Market Size by Service Type (Targeted Sequencing, RNA Sequencing, Exome Sequencing, De Novo Sequencing, ChIP-Sequencing, Whole Genome Sequencing, Methyl Sequencing, and Other Services), Technology [Sequencing by Synthesis (SBS), Ion Semiconductor Sequencing (IOS), Single Molecule Real Time Sequencing (SMRT), Nanopore Sequencing, and True Single Molecule Sequencing (tSMS)], Application (Diagnostics, Drug Discovery, Biomarker Discovery, Agriculture & Animal Research, and Other Applications), End User (Academic and Research Institutes, Pharmaceuticals & Biotechnology Industry, Hospitals & Clinics and Other End Users) - Global Opportunity Analysis and Industry Forecasts to 2023

Market Overview

The research report titled “Next Generation Sequencing (NGS) Services Market- Global Opportunity Analysis and Industry Forecast (2018-2023)” provides in-depth analysis of NGS services market in five major geographies and emphasizes on the current market trends, market size, market share, recent developments, and forecast till 2023. Global NGS services market is expected to reach USD 2,921.4 million by 2023, supported by a CAGR of 20.1% during the forecast period of 2018 to 2023.

The global NGS services market is mainly driven by the factors such as plummeting cost of sequencing, growing need of skilled professionals for efficient NGS sample preparation and analysis, technological advancements in NGS, increase in genome mapping programs, and high cost of sequencing infrastructure. In addition, increasing applications in cancer and agrigenomics research and need for analysis of complex

sequencing data provides significant opportunities for NGS services providers. However, installation of in-house sequencing facilities in hospitals and universities may hamper the growth of this market to some extent.

Market Segmentation

The global NGS services market is mainly segmented by service type (targeted sequencing, RNA sequencing, exome sequencing, de novo sequencing, ChIP-sequencing, whole genome sequencing, methyl sequencing, and other services), by technology (sequencing by synthesis, ion semiconductor sequencing, single molecule real time sequencing, nanopore sequencing, true single molecule sequencing), by application (diagnostics, drug discovery, biomarker discovery, agriculture & animal research, and other applications), by end user (academic and research institutes, pharmaceuticals & biotechnology industry, hospitals & clinics and other end user), and by geography (North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa).

Geographic Overview

Geographically, the global NGS services market is segmented into five major regions, namely, North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa with a further analysis of major countries in these regions. North America accounted for the major share in the global NGS services market in 2017, followed by Europe and Asia-Pacific. The major share of the North American region is mainly attributed to the increasing high burden of chronic and infectious diseases, increasing R&D expenditure, and various favorable government initiatives. In addition, the presence of many genomic services providers in this region further propels the growth of this market. On the other hand, Asia-Pacific region is projected to grow at the highest CAGR during the forecast period, due to increasing population, rising rate of diseases, growing outsourcing of research activities by the global players in this region, and various government initiatives for the genomic research for understanding the complex biological process and genetic mutation present in life threatening diseases.

The geographic analysis provides detailed insights on the key trends of the industry in the listed regions & countries, identifying the demographic & economic impact, government & private investments, market opportunities and forecast, and regulatory scenario. The geographic analysis section also comments on the key market players shaping the growth of the industry in the respective countries.

Key players

The report includes the competitive landscape based on extensive assessment of the key strategic developments adopted by leading market participants in the industry over the past 3 years (2014-2017). The study has also incorporated the detailed profiles of 17 top market players, including detailed financial performance, strategic focus, business overviews, and service offerings of each player. The key players in the global NGS services market are Illumina, Inc.(U.S.), Qiagen N.V.(The Netherlands), PerkinElmer, Inc. (U.S.), Eurofins Scientific SE (Luxembourg), GATC Biotech AG (Germany), Macrogen, Inc. (South Korea), Genotypic Technology Pvt. Ltd. (India), GENEWIZ, Inc. (U.S.), Beijing Genomics Institute (BGI) (China), SciGenom Labs Pvt. Ltd. (India), MedGenome (India), DNA Link, Inc. (South Korea), Otogenetics Corporation (U.S.), Novogene Corporation (China), LGC Limited (U.K.), CD Genomics (U.S.), and SeqLL, LLC (U.S.).

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Exome Sequencing

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ChIP-Sequencing

Whole Genome Sequencing

Methyl Sequencing

Other Services

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Academic& Research Institutes

Pharmaceuticals & Biotechnology Industry

Hospitals & Clinics

Other End Users

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North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Rest of Asia-Pacific

Latin America

Middle East & Africa

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