

Next Generation Sequencing - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Next Generation Sequencing market is expected to grow at a CAGR of 18.7% during the forecast period. Factors such as growing adoption of sequencing technologies in clinical applications and low cost DNA sequencing are likely to drive the market growth. On the other side, accuracy and standardization issues and lack of skilled labour are inhibiting the market growth. However, rise in personalize medicine and cloud computing are likely to create more opportunities for this market during the forecast period.

Next-generation sequencing enables rapid sequencing and produces millions of DNA and RNA sequences. It is otherwise called as massively parallel sequencing technology used in personalized medicines, clinical applications, animal research and other applications.

Depending upon the End Users, the Genetic Screening is a method used to provide important information on gene function as well as the molecular events that underlie a biological process or pathway or identify and select for individuals who possess a phenotype of interest in a mutagenized population. It totally depends on the accuracy of the test, the reliability of the interpretation of the results and the ability to treat the condition based on the quality. Apart from these, it can lessen the anxiety of not knowing the possibility of developing a disease and give a tremendous sense of relief.

By geography, North America is expected to surpass the other regions throughout the forecast period due to the support from various government bodies, like NHGRI (National Human Genome Research Institute, US) and fund research on the genome's structure, function, and role in health and disease.

Some of the key players in Next Generation Sequencing market include Thermo Fisher Scientific Inc., F. Hoffmann-La Roche AG, Illumina, Inc., Beijing Genomics Institute, Qiagen N.V., Pacific Biosciences of California, Inc., Perkinelmer, Inc., Agilent Technologies, Inc., GATC Biotech AG, Oxford Nanopore Technologies, Ltd., MacroGen, Inc., Eurofins Scientific, Myriad Genetics, Bio-Rad Laboratories, Inc., PierianDx, Roche Holding AG, Genomatix GmbH, DNASTAR Inc., MacroGen Inc. and Helicos BioSciences.

Type of Sequencing covered:

Whole Genome Sequencing

Targeted Resequencing

Whole Exome Sequencing

RNA Sequencing

CHIP Sequencing

De Novo Sequencing

Methyl Sequencing

Pre-sequencing

Products Covered:

Instruments

Reagents & Consumables

Services

Platforms

Applications Covered:

Reproductive Health

Oncology

HLA Typing/Immune System Monitoring

Metagenomics, Epidemiology & Drug Development

Agrigenomics & Forensics

Consumer Genomics

Clinical Investigation

End Users Covered:

Hospitals

Academics

Biotech and Pharmaceutical Firms

Next Generation Sequencing Market By Application

Drug Discovery/Personalized Medicine

Genetic Screening

Diagnostics/Infectious Diseases

Agriculture and Animal Research

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

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NOTE: North America, Europe, Asia Pacific, South America and Middle East & Africa
are represented in above manner.

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