

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

https://marketpublishers.com/r/NAA7FF3187CEN.html

Date: July 2018

Pages: 191

Price: US\$ 4,150.00 (Single User License)

ID: NAA7FF3187CEN

Abstracts

According to Stratistics 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.

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		
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		
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Regions Covered:

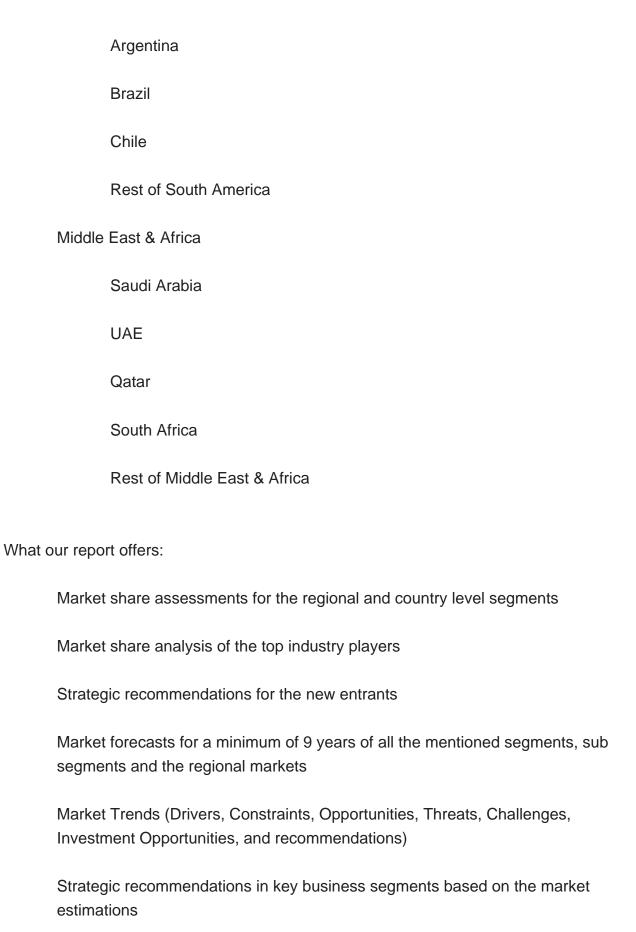
End

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		





Competitive landscaping mapping the key common trends



Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements



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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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