

NGS Sample Preparation Market is estimated to be US\$ 3250.15 million by 2030 with a CAGR of 15.4% during the forecast period

NGS sample preparation is the method of analyzing the whole DNA sequence of an organism at single time. All organism containing DNA sequence are applicable for NSG test. NGS test is used to identify novel and rare cancer mutations, detect familiar cancer mutation carriers, and provide molecular rationale for appropriate targeted therapy. The DNA or RNA is needed to prepare for the NGS test, the steps include, fragmenting or sizing the target sequences to a desired length, converting target to dsDNA, attachment of oligonucleotides to ends, and quantitating the final library. These NGS technology is used to study genetic variation associated with diseases or other biological phenomena. The increase in the prevalence of genetic disorders increases the NGS sample preparation which is the major factor for the growth of the global market. Additionally, for the genetic testing increasing due to direct contact with the consumer is another fueling factor for the growth of the target market. Moreover, increasing the prevalence of infectious diseases rise the demand for NGS sample preparation which is the propelling factor for the growth of the global market.

Region Analysis:

In the NGS Sample Preparation market, North America accounts highest revenue share due to the growing demand for advanced medical technologies in genomics. Europe region is anticipated for significant growth for the global market over the forecast period.

Key Development:

- In April 2020, Illumina designed software toolkit available free of charge to support nations during the pandemic of COVID-19.
- In 2020, 10x Genomics, Inc. and Merck entered into a collaboration for linking of two innovative technologies.

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Segmentation:

The global NGS sample preparation market accounted for US\$ 785.52 million in 2020 and is estimated to be US\$ 3250.15 million by 2030 and is anticipated to register a CAGR of 15.4%. The global NGS sample preparation market is segmented based on product, workflow, therapy area, application, and region.

- Based on the product, the global NGS sample preparation market is segmented into the workstation (open system and closed system), standalone, and consumables.
- Based on the workflow, the target market is segmented into manual NGS sample preparation fragmentation and quality control.
- Based on the therapy area, the global market is classified into oncology and neonatal.
- Based on the application, the target market is bifurcated into DNA sequencing and metagenomics.

- On region the global NGS sample preparation market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

Competitive Analysis:

The key players operating the global NGS sample preparation market involves Agilent Technologies, Aurora Biomed Inc., Bio-Rad Laboratories, Inc., Danaher Corporation, Eppendorf AG, F. Hoffmann-La Roche AG, Hamilton Company, Illumina, Inc., New England Biolabs, Inc., and Oxford Nanopore Technologies Limited.