Global NGS Library Preparation Automation Market 2023-2029

Abstracts

Library preparation is a critical step in the NGS workflow, as it involves the fragmentation of DNA or RNA samples, the attachment of adapters to the fragments, and the amplification of the fragments to generate a library of DNA or RNA fragments that can be sequenced. Automating the library preparation process offers several advantages over manual methods, including increased efficiency, reproducibility, and accuracy. Automated systems can process large numbers of samples simultaneously, reducing the time and labor required for library preparation. They also reduce the risk of human error, such as sample contamination or pipetting errors, which can affect the quality and accuracy of the sequencing data. According to the latest research, the global NGS library preparation automation market is poised to grow by USD 2.1 billion during 2023-2029, progressing at a CAGR of 14.35% during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, trends and strategies for global NGS library preparation automation market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, sequencing type, application, institutions, and region. The global market for NGS library preparation automation can be segmented by product: automated instruments, automated kits and consumables. The automated kits and consumables segment was the largest contributor to the global NGS library preparation automation market in 2022. NGS library preparation automation market is further segmented by sequencing type: RNA sequencing, DNA sequencing. According to the research, the DNA sequencing segment had the largest share in the global NGS

library preparation automation market. Based on application, the NGS library preparation automation market is segmented into: research, diagnostics. The research segment held the largest revenue share in 2022. On the basis of institutions, the NGS library preparation automation market also can be divided into: pharmaceutical, laboratories, others. Globally, the institutions segment made up the largest share of the NGS library preparation automation market. NGS library preparation automation market by region is categorized into: Asia-Pacific (ex. China), Europe, North America, China, RoW (Rest of World). North America was the largest contributor to the global NGS library preparation automation market in 2022.

Market Segmentation
By product: automated instruments, automated kits and consumables
By sequencing type: RNA sequencing, DNA sequencing
By application: research, diagnostics
By institutions: pharmaceutical, laboratories, others
By region: Asia-Pacific (ex. China), Europe, North America, China, RoW (Rest of World)

Scope of the Report
To analyze and forecast the market size of the global NGS library preparation automation market.
To classify and forecast the global NGS library preparation automation market based on product, sequencing type, application, institutions, region.
To identify drivers and challenges for the global NGS library preparation automation market.

Why Choose This Report
Gain a reliable outlook of the global NGS library preparation automation market forecasts from 2023 to 2029 across scenarios.
Identify growth segments for investment.
The market estimate for ease of analysis across scenarios in Excel format.
Strategy consulting and research support for three months.
Print authentication provided for the single-user license.

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DNA sequencing

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Pharmaceutical

Laboratories

Others

PART 9. MARKET BREAKDOWN BY REGION

Asia-Pacific (ex. China)

Europe

North America

China

RoW (Rest of World)

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