

Next-Generation Sequencing Library Preparation Market Report Provides Insights Into Market Evolution & Growth Prospects

The Business Research Company's Next-Generation Sequencing Library Preparation Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

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/EINPresswire.com/ -- "The [next-](#)

[generation sequencing library preparation market](#) has been experiencing rapid expansion as technological advancements and increasing genomic research activities continue to shape its landscape. This sector plays a pivotal role in enabling accurate and efficient sequencing, which is fundamental for breakthroughs in healthcare, medicine, and biological studies. Let's explore the market's current status, key growth drivers, regional dynamics, and emerging trends shaping its future.

Market Size and Growth Trajectory of the Next-Generation Sequencing Library Preparation Market

The market for next-generation sequencing (NGS) library preparation has seen significant growth in recent years. It is projected to rise from \$1.63 billion in 2025 to \$1.86 billion in 2026, reflecting a strong compound annual growth rate (CAGR) of 14.5%. This historical growth has been driven by constraints in sequencing throughput, the high costs associated with library preparation kits, reliance on manual workflows, increasing demand for genomic research, and the expanding use of sequencing in clinical diagnostics. Looking ahead, the market is expected to continue its robust expansion, reaching \$3.17 billion by 2030 at a CAGR of 14.2%. Factors contributing to this forecast include the development of automated library preparation platforms, the rising popularity of whole genome and exome sequencing, greater investment in personalized medicine, growth in academic and research genomics projects, and the integration of NGS data with artificial intelligence and cloud analytics.

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Understanding Next-Generation Sequencing Library Preparation

Next-generation sequencing library preparation involves processing DNA or RNA samples to make them compatible with sequencing machines. This step includes replicating the genetic material and attaching specific tags, which help the sequencing device interpret and organize the data. Proper library preparation is essential to ensure high accuracy and reliability in sequencing results. This critical procedure allows researchers to investigate genetic information, study diseases, and conduct detailed biological analyses with precision.

Key Factors Fueling Growth in the Next-Generation Sequencing Library Preparation Market

The rise of gene therapy stands out as a major factor propelling the expansion of the NGS library preparation market. Gene therapy, which modifies an individual's genes to treat or prevent diseases, is gaining traction due to the increasing prevalence of genetic disorders that need targeted and durable treatment options. In this context, NGS library preparation is crucial for precisely analyzing and validating genetic changes by preparing high-quality DNA or RNA samples for sequencing.

For instance, in March 2024, IQVIA, a healthcare intelligence firm based in the US, reported that spending on cell and gene therapies surged to \$5.9 billion in 2023, marking a 38% increase from the previous year. Although this spending accounted for only 0.4% of the \$1.6 trillion global medicine expenditure, it signals a strong upward trend. This surge highlights how gene therapy's growth is directly influencing demand for advanced sequencing library preparation solutions.

View the full next-generation sequencing library preparation market report:

https://www.thebusinessresearchcompany.com/report/next-generation-sequencing-library-preparation-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Regional Market Share and Growth Outlook for Next-Generation Sequencing Library Preparation

In 2025, North America held the largest share of the [global next-generation sequencing library preparation market](#), underlining the region's leadership in biotechnological innovation and healthcare infrastructure. Meanwhile, the Asia-Pacific region is expected to emerge as the fastest-growing market segment during the forecast period. The comprehensive market analysis covers key geographies, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a global perspective on market trends and opportunities.

New analytical features added to our 2026 market reports:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards

- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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- LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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