

# **Next generation Sequencing Library Preparation Market Size, Trends, Analysis, and Outlook By Sequencing (Targeted Genome Sequencing, Whole Genome Sequencing, Whole Exome Sequencing, Others), By Product (Reagents & Consumables, Instruments), By Application (Drug & Biomarker Discovery, Disease Diagnostics, Others), By End-user (Hospitals and Clinics, Academic and Research Institutions, Pharmaceutical and Biotechnology Companies, Others), by Region, Country, Segment, and Companies, 2024-2030**

<https://marketpublishers.com/r/N27EA4DEDB48EN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: N27EA4DEDB48EN

## **Abstracts**

The global Next generation Sequencing Library Preparation market size is poised to register 13.76% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Next generation Sequencing Library Preparation market across By Sequencing (Targeted Genome Sequencing, Whole Genome Sequencing, Whole Exome Sequencing, Others), By Product (Reagents & Consumables, Instruments), By Application (Drug & Biomarker Discovery, Disease Diagnostics, Others), By End-user (Hospitals and Clinics, Academic and Research Institutions, Pharmaceutical and Biotechnology Companies, Others).

The Next Generation Sequencing Library Preparation Market is experiencing growth driven by the increasing adoption of next-generation sequencing (NGS) technologies in genomics research, clinical diagnostics, and drug discovery applications, and the demand for streamlined and automated library preparation workflows. Next-generation

sequencing library preparation involves the construction of DNA or RNA libraries from genomic or transcriptomic samples, including sample fragmentation, adapter ligation, and PCR amplification, to prepare them for high-throughput sequencing on NGS platforms. Key trends shaping its future include the development of integrated and multiplexed library preparation kits for simultaneous analysis of multiple samples and target regions, the optimization of library preparation protocols for low-input and degraded nucleic acid samples, and the customization of library preparation workflows for specific sequencing applications, library types, and sequencing platforms. Additionally, factors such as the decreasing costs of NGS technologies, the advancements in sequencing chemistry and library construction methods, and the increasing demand for personalized medicine and molecular diagnostics are expected to drive market growth in 2024 and beyond.

### Next generation Sequencing Library Preparation Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Next generation Sequencing Library Preparation market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Next generation Sequencing Library Preparation survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Next generation Sequencing Library Preparation industry.

### Key market trends defining the global Next generation Sequencing Library Preparation demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Next generation Sequencing Library Preparation Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Next generation Sequencing Library Preparation industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche

segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Next generation Sequencing Library Preparation companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Next generation Sequencing Library Preparation industry

Leading Next generation Sequencing Library Preparation companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Next generation Sequencing Library Preparation companies.

Next generation Sequencing Library Preparation Market Study- Strategic Analysis Review

The Next generation Sequencing Library Preparation market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Next generation Sequencing Library Preparation Market Size Outlook- Historic and

## Forecast Revenue in Three Cases

The Next generation Sequencing Library Preparation industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

## Next generation Sequencing Library Preparation Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Next generation Sequencing Library Preparation Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Next generation Sequencing Library Preparation market segments. Similarly, Strong end-user demand is encouraging Canadian Next generation Sequencing Library Preparation companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Next generation Sequencing Library Preparation market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

## Europe Next generation Sequencing Library Preparation Market Size Outlook- Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Next generation Sequencing Library Preparation industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Next generation Sequencing Library Preparation market for an

upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Next generation Sequencing Library Preparation Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Next generation Sequencing Library Preparation in Asia Pacific. In particular, China, India, and South East Asian Next generation Sequencing Library Preparation markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Next generation Sequencing Library Preparation Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Next generation Sequencing Library Preparation Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Next generation Sequencing Library Preparation market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Next generation Sequencing Library Preparation.

Next generation Sequencing Library Preparation Market Company Profiles

The global Next generation Sequencing Library Preparation market is characterized by

intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Agilent Technologies Inc, Beckman Coulter Inc, Becton, Dickinson and Company, F. Hoffmann-La Roche AG Inc, Illumina Inc, Integrated DNA Technologies, Merck KGaA, New England Biolabs Inc, Pacific Biosciences of California Inc, PerkinElmer Inc, QIAGEN N.V., Tecan Group Ltd, Thermo Fisher Scientific Inc

## Recent Next generation Sequencing Library Preparation Market Developments

The global Next generation Sequencing Library Preparation market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Next generation Sequencing Library Preparation Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Sequencing

Targeted Genome Sequencing

Whole Genome Sequencing

Whole Exome Sequencing

Others

By Product

Reagents & Consumables

-DNA Library Preparation Kits

-Library Preparation Kits

-RNA Library Preparation Kits

-Others

Instruments

By Application

Drug & Biomarker Discovery

Disease Diagnostics

-Cancer Diagnostics

-Reproductive Health Diagnostics

-Infectious Disease Diagnostics

-Others

Others

By End-user

Hospitals and Clinics

Academic and Research Institutions

Pharmaceutical and Biotechnology Companies

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Agilent Technologies Inc

Beckman Coulter Inc

Becton

Dickinson and Company

F. Hoffmann-La Roche AG Inc



Illumina Inc

Integrated DNA Technologies

Merck KGaA

New England Biolabs Inc

Pacific Biosciences of California Inc

PerkinElmer Inc

QIAGEN N.V.

Tecan Group Ltd

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Next generation Sequencing Library Preparation Market Overview and Key Findings, 2024
- 1.2 Next generation Sequencing Library Preparation Market Size and Growth Outlook, 2021- 2030
- 1.3 Next generation Sequencing Library Preparation Market Growth Opportunities to 2030
- 1.4 Key Next generation Sequencing Library Preparation Market Trends and Challenges
  - 1.4.1 Next generation Sequencing Library Preparation Market Drivers and Trends
  - 1.4.2 Next generation Sequencing Library Preparation Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Next generation Sequencing Library Preparation Companies

### 2. NEXT GENERATION SEQUENCING LIBRARY PREPARATION MARKET SIZE OUTLOOK TO 2030

- 2.1 Next generation Sequencing Library Preparation Market Size Outlook, USD Million, 2021- 2030
- 2.2 Next generation Sequencing Library Preparation Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. NEXT GENERATION SEQUENCING LIBRARY PREPARATION MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

## **4. NEXT GENERATION SEQUENCING LIBRARY PREPARATION MARKET SEGMENTATION ANALYSIS AND OUTLOOK**

4.1 Market Segmentation and Scope

4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030

By Sequencing

Targeted Genome Sequencing

Whole Genome Sequencing

Whole Exome Sequencing

Others

By Product

Reagents & Consumables

-DNA Library Preparation Kits

-Library Preparation Kits

-RNA Library Preparation Kits

-Others

Instruments

By Application

Drug & Biomarker Discovery

Disease Diagnostics

-Cancer Diagnostics

-Reproductive Health Diagnostics

-Infectious Disease Diagnostics

-Others

Others

By End-user

Hospitals and Clinics

Academic and Research Institutions

Pharmaceutical and Biotechnology Companies

Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Next generation Sequencing Library Preparation Market, 2025

5.2 Asia Pacific Next generation Sequencing Library Preparation Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Next generation Sequencing Library Preparation Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Next generation Sequencing Library Preparation Market, 2025

5.5 Europe Next generation Sequencing Library Preparation Market Size Outlook by Type, 2021- 2030

5.6 Europe Next generation Sequencing Library Preparation Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Next generation Sequencing Library Preparation Market, 2025

5.8 North America Next generation Sequencing Library Preparation Market Size Outlook by Type, 2021- 2030

5.9 North America Next generation Sequencing Library Preparation Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Next generation Sequencing Library Preparation Market, 2025

5.11 South America Pacific Next generation Sequencing Library Preparation Market Size Outlook by Type, 2021- 2030

5.12 South America Next generation Sequencing Library Preparation Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Next generation Sequencing Library Preparation Market, 2025

5.14 Middle East Africa Next generation Sequencing Library Preparation Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Next generation Sequencing Library Preparation Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

6.1 US Next generation Sequencing Library Preparation Market Size Outlook and Revenue Growth Forecasts

6.2 US Next generation Sequencing Library Preparation Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Next generation Sequencing Library Preparation Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Next generation Sequencing Library Preparation Industry Drivers and Opportunities

- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Next generation Sequencing Library Preparation Industry Drivers and Opportunities

- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Next generation Sequencing Library Preparation Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Next generation Sequencing Library Preparation Industry Drivers and Opportunities

## **7. NEXT GENERATION SEQUENCING LIBRARY PREPARATION MARKET OUTLOOK ACROSS SCENARIOS**

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

## **8. NEXT GENERATION SEQUENCING LIBRARY PREPARATION COMPANY PROFILES**

- 8.1 Profiles of Leading Next generation Sequencing Library Preparation Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics
- Agilent Technologies Inc
- Beckman Coulter Inc
- Becton
- Dickinson and Company
- F. Hoffmann-La Roche AG Inc
- Illumina Inc
- Integrated DNA Technologies
- Merck KGaA
- New England Biolabs Inc

Pacific Biosciences of California Inc  
PerkinElmer Inc  
QIAGEN N.V.  
Tecan Group Ltd  
Thermo Fisher Scientific Inc

## **9. APPENDIX**

9.1 Scope of the Report  
9.2 Research Methodology and Data Sources  
9.3 Glossary of Terms  
9.4 Market Definitions  
9.5 Contact Information

## I would like to order

Product name: Next generation Sequencing Library Preparation Market Size, Trends, Analysis, and Outlook By Sequencing (Targeted Genome Sequencing, Whole Genome Sequencing, Whole Exome Sequencing, Others), By Product (Reagents & Consumables, Instruments), By Application (Drug & Biomarker Discovery, Disease Diagnostics, Others), By End-user (Hospitals and Clinics, Academic and Research Institutions, Pharmaceutical and Biotechnology Companies, Others), by Region, Country, Segment, and Companies, 2024-2030

Product link: <https://marketpublishers.com/r/N27EA4DEDB48EN.html>

Price: US\$ 3,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N27EA4DEDB48EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_



Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970