

# **CRISPR Technology Market Size, Trends, Analysis, and Outlook By Product (CRISPR kits & Enzymes, CRISPR Libraries, Others), By Service (gRNA Design & Vector Construction, Cell Line Engineering, Screening Services, Others), By Application (Drug discovery & development, Agriculture, Others), By End-User (Pharmaceutical & biotechnology companies, Academic & research institutes, Others), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global CRISPR Technology market size is poised to register 13.78% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global CRISPR Technology market By Product (CRISPR kits & Enzymes, CRISPR Libraries, Others), By Service (gRNA Design & Vector Construction, Cell Line Engineering, Screening Services, Others), By Application (Drug discovery & development, Agriculture, Others), By End-User (Pharmaceutical & biotechnology companies, Academic & research institutes, Others).

The future of CRISPR technology is being shaped by ongoing research and innovation aimed at expanding its applications in gene editing, genetic engineering, and biotechnology. Key trends in this field include the development of novel CRISPR-based tools and techniques for precise genome modification, including base editing, prime editing, and epigenome editing, that offer greater flexibility and specificity in targeting

DNA sequences. Moreover, there is a trend towards multiplexed and high-throughput CRISPR screening methods for functional genomics studies and drug discovery applications. Additionally, there is a growing emphasis on CRISPR therapeutics and gene therapies for treating genetic disorders, cancer, and infectious diseases, with ongoing clinical trials and regulatory approvals paving the way for the translation of CRISPR technology into clinical practice..

## CRISPR Technology 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 CRISPR Technology market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of CRISPR Technology 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 CRISPR Technology industry.

## Key market trends defining the global CRISPR Technology 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.

## CRISPR Technology Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The CRISPR Technology 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 CRISPR Technology companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the CRISPR Technology industry

Leading CRISPR Technology 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 CRISPR Technology companies.

### CRISPR Technology Market Study- Strategic Analysis Review

The CRISPR Technology 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.

### CRISPR Technology Market Size Outlook- Historic and Forecast Revenue in Three Cases

The CRISPR Technology 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.

### CRISPR Technology 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 CRISPR Technology 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 CRISPR Technology market segments. Similarly, Strong end-user demand is encouraging Canadian CRISPR Technology companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico CRISPR Technology market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

## Europe CRISPR Technology Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European CRISPR Technology 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 CRISPR Technology 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 CRISPR Technology 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 CRISPR Technology in Asia Pacific. In particular, China, India, and South East Asian CRISPR Technology 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 CRISPR Technology 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 CRISPR Technology 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 CRISPR Technology market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for CRISPR Technology.

**CRISPR Technology Market Company Profiles**

The global CRISPR Technology 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, Applied StemCell, Beam Therapeutics Inc, Caribou Biosciences Inc, Celecta Inc, CRISPR Therapeutics AG, Danaher Corp, Editas Medicine, eGenesis, GeneCopoeia Inc, Genscript Biotech Corp, Hera Biolabs, Inscripta Inc, Intellia Therapeutics Inc, Lonza Group Ltd, Mammoth Biosciences Inc, Merck KGaA, New England Biolabs Inc, OriGene Technologies Inc, PerkinElmer Inc, Precision BioSciences Inc, Synthego Corp, Thermo Fisher Scientific Inc, ToolGen Inc, Twist Bioscience Corp.

**Recent CRISPR Technology Market Developments**

The global CRISPR Technology market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## CRISPR Technology 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 Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

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

Applied StemCell

Beam Therapeutics Inc

Caribou Biosciences Inc

Cellecta Inc

CRISPR Therapeutics AG

Danaher Corp

Editas Medicine

eGenesis

GeneCopoeia Inc



Genscript Biotech Corp

Hera Biolabs

Inscripta Inc

Intellia Therapeutics Inc

Lonza Group Ltd

Mammoth Biosciences Inc

Merck KGaA

New England Biolabs Inc

OriGene Technologies Inc

PerkinElmer Inc

Precision BioSciences Inc

Synthego Corp

Thermo Fisher Scientific Inc

ToolGen Inc

Twist Bioscience Corp

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

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

### 2. CRISPR TECHNOLOGY MARKET SIZE OUTLOOK TO 2030

- 2.1 Crispr Technology Market Size Outlook, USD Million, 2021- 2030
- 2.2 Crispr Technology Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. CRISPR TECHNOLOGY 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. CRISPR TECHNOLOGY MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - By Type
    - Stationary 3D and 4D Ultrasound Devices
    - Portable 3D and 4D Ultrasound Devices
  - By Display

Color Ultrasound  
B/W Ultrasound  
By Portability  
Trolley or Cart-Based Ultrasound Systems  
Compact/Handheld Ultrasound Systems  
Point-of-Pare (PoC) Ultrasound Systems  
By Application  
Radiology or General Imaging  
Obstetrics or Gynecology  
Cardiology  
Urology  
Vascular  
Orthopedic and Musculoskeletal  
Pain Management  
Others  
By End-User  
Hospitals  
Surgical Centers and Diagnostic Centers  
Maternity Centers  
Ambulatory Care Centers  
Research and Academia  
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 Crispr Technology Market, 2025  
5.2 Asia Pacific Crispr Technology Market Size Outlook by Type, 2021- 2030  
5.3 Asia Pacific Crispr Technology Market Size Outlook by Application, 2021- 2030  
5.4 Key Findings for Europe Crispr Technology Market, 2025  
5.5 Europe Crispr Technology Market Size Outlook by Type, 2021- 2030  
5.6 Europe Crispr Technology Market Size Outlook by Application, 2021- 2030  
5.7 Key Findings for North America Crispr Technology Market, 2025  
5.8 North America Crispr Technology Market Size Outlook by Type, 2021- 2030  
5.9 North America Crispr Technology Market Size Outlook by Application, 2021- 2030  
5.10 Key Findings for South America Crispr Technology Market, 2025  
5.11 South America Pacific Crispr Technology Market Size Outlook by Type, 2021- 2030

- 5.12 South America Crispr Technology Market Size Outlook by Application, 2021- 2030
- 5.13 Key Findings for Middle East and Africa Crispr Technology Market, 2025
- 5.14 Middle East Africa Crispr Technology Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa Crispr Technology Market Size Outlook by Application, 2021- 2030

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

- 6.1 US Crispr Technology Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Crispr Technology Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Crispr Technology Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Crispr Technology Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Crispr Technology Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Crispr Technology Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Crispr Technology Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Crispr Technology Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Crispr Technology Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Crispr Technology Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Crispr Technology Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Crispr Technology Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Crispr Technology Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Crispr Technology Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Crispr Technology Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Crispr Technology Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts

- 6.32 Rest of Asia Pacific Crispr Technology Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Crispr Technology Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Crispr Technology Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Crispr Technology Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Crispr Technology Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Crispr Technology Industry Drivers and Opportunities

## **7. CRISPR TECHNOLOGY MARKET OUTLOOK ACROSS SCENARIOS**

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

## **8. CRISPR TECHNOLOGY COMPANY PROFILES**

- 8.1 Profiles of Leading Crispr Technology Companies in the Market
  - 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
  - 8.3 Financial Performance and Key Metrics
- Agilent Technologies Inc
  - Applied StemCell
  - Beam Therapeutics Inc
  - Caribou Biosciences Inc
  - Cellecta Inc
  - CRISPR Therapeutics AG
  - Danaher Corp
  - Editas Medicine
  - eGenesis
  - GeneCopoeia Inc
  - Genscript Biotech Corp
  - Hera Biolabs
  - Inscripta Inc
  - Intellia Therapeutics Inc
  - Lonza Group Ltd
  - Mammoth Biosciences Inc

Merck KGaA  
New England Biolabs Inc  
OriGene Technologies Inc  
PerkinElmer Inc  
Precision BioSciences Inc  
Synthego Corp  
Thermo Fisher Scientific Inc  
ToolGen Inc  
Twist Bioscience Corp

## **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

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