

Viral Vectors and Plasmid DNA Manufacturing Market Size, Trends, Analysis, and Outlook By Type (Adenovirus, Retrovirus, Adeno-Associated Virus (AAV), Lentivirus, Plasmids, Others), By Manufacturing (Upstream Manufacturing (Vector Amplification & Expansion, Vector Recovery/Harvesting), Downstream Manufacturing (Purification, Fill Finish)), By Application (Antisense & RNAi Therapy, Gene Therapy, Cell Therapy, Vaccinology, Research Applications), By End-user (Pharmaceutical and Biopharmaceutical Companies, Research Institutes), By Disease (Cancer, Genetic Disorders, Infectious Diseases, Others), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/VAD5E7D31B90EN.html>

Date: March 2024

Pages: 190

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

ID: VAD5E7D31B90EN

Abstracts

The global Viral Vectors and Plasmid DNA Manufacturing market size is poised to register 15.64% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Viral Vectors and Plasmid DNA Manufacturing market across By Type (Adenovirus, Retrovirus, Adeno-Associated Virus (AAV), Lentivirus, Plasmids, Others), By Manufacturing (Upstream Manufacturing (Vector Amplification & Expansion, Vector Recovery/Harvesting), Downstream Manufacturing (Purification, Fill Finish)), By Application (Antisense & RNAi Therapy, Gene Therapy, Cell Therapy, Vaccinology,

Research Applications), By End-user (Pharmaceutical and Biopharmaceutical Companies, Research Institutes), By Disease (Cancer, Genetic Disorders, Infectious Diseases, Others).

The Viral Vectors and Plasmid DNA Manufacturing market is witnessing rapid growth driven by the increasing demand for gene therapy and vaccine development, rising investment in biopharmaceutical research, and advancements in viral vector and DNA manufacturing technologies. Viral vectors and plasmid DNA serve as essential tools for delivering therapeutic genes, antigens, or genetic material into target cells to treat genetic disorders, cancer, infectious diseases, and autoimmune conditions. Factors such as the expanding pipeline of gene-based therapeutics, the growing prevalence of genetic diseases, and the emergence of novel viral vector platforms and gene editing technologies are driving market expansion. Additionally, advancements in cell culture systems, gene transfer techniques, and downstream purification processes, along with the development of scalable manufacturing platforms for viral vectors and DNA constructs, are fueling innovation in the market. Moreover, the increasing collaboration between biopharmaceutical companies, academic research institutions, and contract manufacturing organizations (CMOs) to accelerate viral vector and DNA production, and the rising investments in production facilities and infrastructure for large-scale manufacturing of gene-based therapies and vaccines are driving market growth. Furthermore, efforts to address regulatory requirements and quality standards for viral vector and DNA manufacturing, optimize production yields and efficiency, and ensure supply chain resilience and sustainability are expected to further propel market growth in the coming years.

Viral Vectors and Plasmid DNA Manufacturing 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 Viral Vectors and Plasmid DNA Manufacturing market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Viral Vectors and Plasmid DNA Manufacturing 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 Viral Vectors and Plasmid DNA Manufacturing industry.

Key market trends defining the global Viral Vectors and Plasmid DNA Manufacturing 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.

Viral Vectors and Plasmid DNA Manufacturing Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Viral Vectors and Plasmid DNA Manufacturing 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 Viral Vectors and Plasmid DNA Manufacturing companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Viral Vectors and Plasmid DNA Manufacturing industry

Leading Viral Vectors and Plasmid DNA Manufacturing 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 Viral Vectors and Plasmid DNA Manufacturing companies.

Viral Vectors and Plasmid DNA Manufacturing Market Study- Strategic Analysis Review

The Viral Vectors and Plasmid DNA Manufacturing 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.

Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Viral Vectors and Plasmid DNA Manufacturing 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.

Viral Vectors and Plasmid DNA Manufacturing 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 Viral Vectors and Plasmid DNA Manufacturing 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 Viral Vectors and Plasmid DNA Manufacturing market segments. Similarly, Strong end-user demand is encouraging Canadian Viral Vectors and Plasmid DNA Manufacturing companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Viral Vectors and Plasmid DNA Manufacturing market is expected to experience significant expansion, offering lucrative opportunities

for both domestic and international stakeholders.

Europe Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

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

Viral Vectors and Plasmid DNA Manufacturing Market Company Profiles

The global Viral Vectors and Plasmid DNA Manufacturing 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 Audentes Therapeutics, Batavia Biosciences, BioMarin Pharmaceutical, BioNTech IMFS GmbH, Catalent Inc., Cobra Biologics, FUJIFILM Diosynth Biotechnologies, Genezen laboratories, Lonza, Merck KGaA, Miltenyi Biotec GmbH, RegenxBio, Inc., SIRION Biotech GmbH, Takara Bio Inc., Thermo Fisher Scientific, Virovek Incorporation, Waisman Biomanufacturing, Wuxi Biologics

Recent Viral Vectors and Plasmid DNA Manufacturing Market Developments

The global Viral Vectors and Plasmid DNA Manufacturing market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Viral Vectors and Plasmid DNA Manufacturing 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

Adenovirus

Retrovirus

Adeno-Associated Virus (AAV)

Lentivirus

Plasmids

Others

By Manufacturing

Upstream Manufacturing

-Vector Amplification & Expansion

-Vector Recovery/Harvesting

Downstream Manufacturing

-Purification

-Fill Finish

By Application

Antisense & RNAi Therapy

Gene Therapy

Cell Therapy

Vaccinology

Research Applications

By End-user

Pharmaceutical and Biopharmaceutical Companies

Research Institutes

By Disease

Cancer

Genetic Disorders

Infectious Diseases

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Audentes Therapeutics

Batavia Biosciences

BioMarin Pharmaceutical

BioNTech IMFS GmbH

Catalent Inc.

Cobra Biologics

FUJIFILM Diosynth Biotechnologies

Genezen laboratories

Lonza

Merck KGaA

Miltenyi Biotec GmbH

RegenxBio, Inc.

SIRION Biotech GmbH

Takara Bio Inc.

Thermo Fisher Scientific

Virovek Incorporation

Waisman Biomanufacturing

Wuxi Biologics

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

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

2. VIRAL VECTORS AND PLASMID DNA MANUFACTURING MARKET SIZE OUTLOOK TO 2030

- 2.1 Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook, USD Million, 2021- 2030
- 2.2 Viral Vectors and Plasmid DNA Manufacturing Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. VIRAL VECTORS AND PLASMID DNA MANUFACTURING 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. VIRAL VECTORS AND PLASMID DNA MANUFACTURING 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

Adenovirus

Retrovirus

Adeno-Associated Virus (AAV)

Lentivirus

Plasmids

Others

By Manufacturing

Upstream Manufacturing

-Vector Amplification & Expansion

-Vector Recovery/Harvesting

Downstream Manufacturing

-Purification

-Fill Finish

By Application

Antisense & RNAi Therapy

Gene Therapy

Cell Therapy

Vaccinology

Research Applications

By End-user

Pharmaceutical and Biopharmaceutical Companies

Research Institutes

By Disease

Cancer

Genetic Disorders

Infectious Diseases

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 Viral Vectors and Plasmid DNA Manufacturing Market, 2025

5.2 Asia Pacific Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by

Viral Vectors and Plasmid DNA Manufacturing Market Size, Trends, Analysis, and Outlook By Type (Adenovirus, Re...

Type, 2021- 2030

5.3 Asia Pacific Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Viral Vectors and Plasmid DNA Manufacturing Market, 2025

5.5 Europe Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Type, 2021- 2030

5.6 Europe Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Viral Vectors and Plasmid DNA Manufacturing Market, 2025

5.8 North America Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Type, 2021- 2030

5.9 North America Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Viral Vectors and Plasmid DNA Manufacturing Market, 2025

5.11 South America Pacific Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Type, 2021- 2030

5.12 South America Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Viral Vectors and Plasmid DNA Manufacturing Market, 2025

5.14 Middle East Africa Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Viral Vectors and Plasmid DNA Manufacturing Market Size Outlook and Revenue Growth Forecasts

6.2 US Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and

Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.26 South Korea Market Size Outlook and Revenue Growth Forecasts

6.26 South Korea Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.27 Australia Market Size Outlook and Revenue Growth Forecasts

6.28 Australia Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts

6.30 South East Asia Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts

6.32 Rest of Asia Pacific Viral Vectors and Plasmid DNA Manufacturing Industry Drivers

and Opportunities

6.33 Brazil Market Size Outlook and Revenue Growth Forecasts

6.34 Brazil Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.36 Argentina Market Size Outlook and Revenue Growth Forecasts

6.36 Argentina Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts

6.38 Rest of South America Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.39 Middle East Market Size Outlook and Revenue Growth Forecasts

6.40 Middle East Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

6.41 Africa Market Size Outlook and Revenue Growth Forecasts

6.42 Africa Viral Vectors and Plasmid DNA Manufacturing Industry Drivers and Opportunities

7. VIRAL VECTORS AND PLASMID DNA MANUFACTURING MARKET OUTLOOK ACROSS SCENARIOS

7.1 Low Growth Case

7.2 Reference Growth Case

7.3 High Growth Case

8. VIRAL VECTORS AND PLASMID DNA MANUFACTURING COMPANY PROFILES

8.1 Profiles of Leading Viral Vectors and Plasmid DNA Manufacturing Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

Audentes Therapeutics

Batavia Biosciences

BioMarin Pharmaceutical

BioNTech IMFS GmbH

Catalent Inc.

Cobra Biologics

FUJIFILM Diosynth Biotechnologies

Genezen laboratories

Lonza

Merck KGaA
Miltenyi Biotec GmbH
RegenxBio, Inc.
SIRION Biotech GmbH
Takara Bio Inc.
Thermo Fisher Scientific
Virovek Incorporation
Waisman Biomanufacturing
Wuxi Biologics

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: Viral Vectors and Plasmid DNA Manufacturing Market Size, Trends, Analysis, and Outlook By Type (Adenovirus, Retrovirus, Adeno-Associated Virus (AAV), Lentivirus, Plasmids, Others), By Manufacturing (Upstream Manufacturing (Vector Amplification & Expansion, Vector Recovery/Harvesting), Downstream Manufacturing (Purification, Fill Finish)), By Application (Antisense & RNAi Therapy, Gene Therapy, Cell Therapy, Vaccinology, Research Applications), By End-user (Pharmaceutical and Biopharmaceutical Companies, Research Institutes), By Disease (Cancer, Genetic Disorders, Infectious Diseases, Others), by Region, Country, Segment, and Companies, 2024-2030

Product link: <https://marketpublishers.com/r/VAD5E7D31B90EN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/VAD5E7D31B90EN.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