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Global Viral Vector and Plasmid DNA Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Viral Vector and Plasmid DNA market size was valued at USD 686.8 million in 2023 and is forecast to a readjusted size of USD 2249.6 million by 2030 with a CAGR of 18.5% during review period.

Viral vectors carry genetic material into cells by exploiting the molecular mechanisms by which viruses transmit their genomes to other cells for infection.It can occur in vivo or in vitro.Plasmid carriers are plasmids artificially constructed on the basis of natural plasmids to adapt to laboratory operations.In recent years, global viral vector and plasmid DNA manufacturing has developed rapidly, with a compound growth rate of about 28% during 2018-2018.In 2018, global sales of viral vector and plasmid DNA production reached $381 million.In 2018, China accounted for about 4% of global sales.In the next five years, the production of viral vectors and plasmid DNA products in China will continue to grow rapidly.Viral vector and plasmid DNA manufacturing are mainly divided into viral vector manufacturing and plasmid DNA manufacturing, among which viral vector manufacturing accounts for the largest proportion, accounting for nearly 38% of the total market in 2018.Viral vector and plasmid DNA manufacturing is mainly used for drug development and production of cancer, genetic diseases, viral infections and other diseases, among which cancer is the main application field, accounting for 35% in 2018.The market is highly competitive.Brammer Bio, Oxford BioMedica, Cobra Biologics, FinVector and Lonza are major suppliers.They have mastered key technologies and patents, and they have a fixed customer base. They have established a monopoly in the market.Gene therapy technology innovation and clinical trials have mushroomed in recent years, and a number of gene therapy projects have been approved for marketing in the United States, the European Union, China and

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other countries.The target of gene therapy has also been gradually expanded from single gene genetic diseases to malignant tumors, infectious diseases, cardiovascular diseases, autoimmune diseases, metabolic diseases and other major diseases.

Global Viral Vector and Plasmid DNA key players include BioReliance, Oxford BioMedica, UniQure, Cobra Biologics, etc. Global top four manufacturers hold a share over 45%.

North America is the largest market, with a share about 50%, followed by Europe, and Asia-Pacific, both have a share over 40 percent.

In terms of product, Viral Vectors is the largest segment, with a share about 80%. And in terms of application, the largest application is Cancers, followed by Inherited Disorders, Viral Infections, etc.

The Global Info Research report includes an overview of the development of the Viral Vector and Plasmid DNA industry chain, the market status of Cancer (Plasmid DNA, Viral Vector), Virus Infection (Plasmid DNA, Viral Vector), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Viral Vector and Plasmid DNA.

Regionally, the report analyzes the Viral Vector and Plasmid DNA markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Viral Vector and Plasmid DNA market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Viral Vector and Plasmid DNA market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Viral Vector and Plasmid DNA industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Plasmid

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DNA, Viral Vector).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Viral Vector and Plasmid DNA market.

Regional Analysis: The report involves examining the Viral Vector and Plasmid DNA market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Viral Vector and Plasmid DNA market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Viral Vector and Plasmid DNA:

Company Analysis: Report covers individual Viral Vector and Plasmid DNA players, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Viral Vector and Plasmid DNA This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Cancer, Virus Infection).

Technology Analysis: Report covers specific technologies relevant to Viral Vector and Plasmid DNA. It assesses the current state, advancements, and potential future developments in Viral Vector and Plasmid DNA areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Viral Vector and Plasmid DNA market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through

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primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Viral Vector and Plasmid DNA market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Plasmid DNA

Viral Vector

Market segment by Application

Cancer

Virus Infection

Hereditary Disease

Market segment by players, this report covers

Brammer Bio

Oxford BioMedica

Cobra Biologics

FinVector

Lonza

BioReliance

MolMed

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FUJIFILM Diosynth Biotechnologies

UniQure

Aldevron

Richter-Helm

Eurogentec

OBiO Technology

Yposkesi

Cell and Gene Therapy Catapult

MassBiologics

Biovian

VGXI

Gene Synthesis

PlasmidFactory

Jikai Gene

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

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South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Viral Vector and Plasmid DNA product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Viral Vector and Plasmid DNA, with revenue, gross margin and global market share of Viral Vector and Plasmid DNA from 2019 to 2024.

Chapter 3, the Viral Vector and Plasmid DNA competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024.and Viral Vector and Plasmid DNA market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Viral Vector and Plasmid DNA.

Chapter 13, to describe Viral Vector and Plasmid DNA research findings and conclusion.

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