

# Viral Vector Manufacturing Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

The global viral vector manufacturing market size reached US\$ 961 Million in 2022. Looking forward, IMARC Group expects the market to reach a value of US\$ 3,975 Million by 2028, exhibiting a growth rate (CAGR) of 24.9% during 2023-2028.

A viral vector is a tool used by molecular biologists for delivering genetic materials into cells. It is used to replace defective genes for curing genetic disorders and express and present pathogenic antigens for generating an immune response by mimicking a natural infection. It is widely employed in oncolytic therapies to target and kill tumor cells. Besides this, as it assists in treating different diseases, such as heart defects, metabolic diseases, and neurodegenerative disorders, it finds extensive applications in life science research, gene therapy and vaccinology. At present, there is a rise in viral vector manufacturing on account of the rising prevalence of genetic disorders due to a combination of gene mutations and damaged chromosomes in the body.

### Viral Vector Manufacturing Market Trends:

The increasing cancer patients due to the rising alcohol consumption and sedentary lifestyles of individuals represents one of the key factors contributing to the growth of the market. In addition, there is a rise in the number of clinical studies undertaken on viral vectors across the globe. This, along with the growing utilization of viral vectors in novel drug delivery, is positively influencing the market. Besides this, they are efficient carriers of virus-disabling sequences and are used to deliver HIV-inhibiting transgenes to human hematopoietic stem cells (HSCs). Additionally, governments of several countries are launching campaigns to generate awareness about viral vector vaccines among individuals. They are also improving the regulatory environment via changes, such as fast-track approval processes. Furthermore, key market players are extensively

investing in capacity expansion for manufacturing activities around the world. These players are also indulging in mergers and acquisitions (M&A), which is projected to increase their overall sales and profitability.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global viral vector manufacturing market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, disease, application and end user.

#### Breakup by Type:

- Adenoviral Vectors
- Adeno-associated Viral Vectors
- Lentiviral Vectors
- Retroviral Vectors
- Others

#### Breakup by Disease:

- Cancer
- Genetic Disorders
- Infectious Diseases
- Others

#### Breakup by Application:

- Gene Therapy
- Vaccinology

#### Breakup by End User:

- Pharmaceutical and Biopharmaceutical Companies
- Research Institutes

#### Breakup by Region:

- North America
- United States

Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Cognate BioServices Inc. (Charles River Laboratories International Inc.), F. Hoffmann-La Roche AG, FinVector Oy, FUJIFILM Holdings Corporation, Kaneka Eurogentec S.A. (Kaneka Corporation), Lonza Group AG, Merck KGaA, Oxford Biomedica plc, REGENXBIO Inc., Sanofi S.A., Thermo Fisher Scientific Inc. and uniQure N.V.

#### Key Questions Answered in This Report

1. What was the size of the global viral vector manufacturing market in 2022?
2. What is the expected growth rate of the global viral vector manufacturing market during 2023-2028?
3. What has been the impact of COVID-19 on the global viral vector manufacturing market?
4. What are the key factors driving the global viral vector manufacturing market?

5. What is the breakup of the global viral vector manufacturing market based on the type?
6. What is the breakup of the global viral vector manufacturing market based on the disease?
7. What is the breakup of the global viral vector manufacturing market based on the application?
8. What are the key regions in the global viral vector manufacturing market?
9. Who are the key players/companies in the global viral vector manufacturing market?

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