

## **Viral Vector and Plasmid DNA Manufacturing Market is estimated to be US\$ 2.35 billion by 2030 with a CAGR of 3.9% during the forecast period**

Viral Vector are tools for used for delivering genetic material into cells. As viruses have developed specific systems for transporting their DNA inside the cells they infect. Adenovirus, retrovirus, lentivirus, herpes simplex virus, and others are among the viral vectors which can be employed to transfer genetic material into the genetic composition of cells.

Further, the market of viral vector and plasmid DNA manufacturing saw the peak due to the COVID-19 pandemic. As market players were shifting their business focus towards development of vaccine against COVID-19. The market for viral vector and plasmid DNA manufacturing also has lucrative opportunity due to rising demand for gene therapy.

Moreover, rising demand for synthetic genes are also expected to be a potential for the market.

### **Region Analysis:**

North America dominated the global market with a proportion of 52.2% in 2021. Some of the essential elements which have contributed to the massive percentage of this nearby market and the presence of a substantial range of centers and institutes that are engaged within the R&D of superior healing procedures. Further, investments made through the federal bodies for the development of cell therapy research base within the vicinity are expected to foster the growth of North America marketplace.

The Asia Pacific is estimated to be the quickest-growing location because of the rising affected person populace, growing R&D centers in this area.

### **Key Development:**

- February 2022 – A Gene Therapy company wholly owned and independently operated as a subsidiary of Bayer AG, Asklepios BioPharmaceutical, Inc., and a biotechnology company pioneering enzymatic DNA production, Touchlight, have disclosed a modified structure to their old joint venture, Touchlight AAV.
- February 2022 – AGC Biologics, a prominent global Contract Development and Manufacturing Organization, announced the expansion of its collaboration to supply more plasmid DNA starting material for the Pfizer-BioNTech COVID-19 vaccine Comirnaty at the firm's Heidelberg facility.

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### **Segmentation:**

The global Viral Vector and Plasmid DNA Manufacturing Market accounted for US\$ 2.5 billion in 2020 and is estimated to be US\$ 9.49 billion by 2030 and is anticipated to register a CAGR of 14.2%. The global Viral Vector and Plasmid DNA Manufacturing Market is segmented based on product type, application and region.

- On the basis of product type, the global Viral Vector and Plasmid DNA Manufacturing Market is segmented into Plasmid DNA, Viral Vectors, and Non-viral Vectors.
- On the basis of application, the global Viral Vector and Plasmid DNA Manufacturing Market is segmented into Cancer, Inherited Disorder, Infectious Diseases and Other Application.
- On the basis of region, the global Viral Vector and Plasmid DNA Manufacturing Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

#### **Competitive Analysis:**

The key players operating in the global Viral Vector and Plasmid DNA Manufacturing Market includes Unique NV, Cell and Gene Therapy Catapult, FinVector Vision Therapies, Fujifilm Holdings Corporation (Fujifilm Diosynth Biotechnologies), Mass Biologics, SIRION Biotech, Cobra Biologics, Merck KGaA, Oxford Biomedica PLC, Thermo Fisher Scientific Inc. and Gilead Company.

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