

Viral Vectors and Plasmid DNA Manufacturing Market by Product (Plasmid DNA, Viral Vectors, and Non-Viral Vectors) and Application (Cancers, Inherited Disorders, Viral Infections and Others): Global Opportunity Analysis and Industry Forecast, 2019-2027

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Abstracts

The global viral vectors and plasmid DNA manufacturing market was valued at \$918.37 million in 2019, and is estimated to reach at \$4,978.54 million by 2027, registering a CAGR of 24.9% from 2020 to 2027. Gene therapies require a viral or non-viral vector to efficiently transfer therapeutic gene into target cells.

Manufacturing of viral vectors and plasmid DNA is based on a unique concept, which states that two people infected with same disease do not have same physical response toward the disease. However, it depends on the surrounding environment and influence of genes and symptoms of a patient. Moreover, it depends on a patient's ability to respond to a particular disease, which enables doctors and researchers to organize the required treatment. Viral vectors and plasmid DNA manufacturing generally includes use of system biology and panomics to determine the cause of a patient's illness at the molecular level, followed by the use of concentrated medications to address individual patient's illness. Furthermore, viral vectors and plasmid DNA can reduce the cost of treatment and help decrease repeated administration of medications.

The global viral vectors and plasmid DNA manufacturing market is segmented on the basis of product, application, and region. On the basis of product, it is divided into plasmid DNA, viral vectors, and non-viral vectors. By application, it is categorized into cancer, inherited disorders, viral infections, and others. Region wise, it is analyzed

across North America, Europe, Asia-Pacific, and LAMEA.

The global viral vectors and plasmid DNA manufacturing market is expected to grow at a productive rate during the forecast period.

Surge in global incidences of cancer and increase in ageing population susceptible to diseases are expected to boost the demand for viral vectors and plasmid DNA manufacturing. However, high cost associated with gene therapies and risk of mutagenesis & other impediments in gene therapy restrain the market growth. Moreover, government initiatives & grants and surge in investments by private companies on R&D of viral vectors and plasmid DNA manufacturing are expected to boost the market growth.

KEY BENEFITS FOR STAKEHOLDERS

This report entails a detailed quantitative analysis of the current market trends from 2019 to 2027 to identify prevailing opportunities along with strategic assessment of the global viral vectors and plasmid DNA manufacturing market.

Market size and estimations are based on a comprehensive analysis of end users, developments, and services in the industry.

An in-depth analysis based on region assists to understand the regional market and facilitates strategic business planning.

Developmental strategies adopted by the key market players are enlisted to understand the competitive scenario of the market.

KEY MARKET SEGMENTS

By Product

Plasmid DNA

Viral Vectors

Non-viral Vectors

By Application

Cancers

Inherited Disorders

Viral Infections

Others

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Australia

Japan

India

China

South Korea

Taiwan

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

KEY MARKET PLAYERS

COGNATE BIOSERVICES, INC.

CATALENT PHARMA SOLUTIONS

F. HOFFMANN-LA ROCHE LTD

FUJIFILM HOLDINGS CORPORATION

JOHNSON & JOHNSON

4D MOLECULAR THERAPEUTICS

SANOFI CORPORATION

SIRION BIOTECH GMBH

VOYAGER THERAPEUTICS

THERMO FISHER SCIENTIFIC

OTHER MARKET PLAYERS

CELL AND GENE THERAPY CATAPULT

UNIQUIRE

MASSBIOLOGICS

RENOVA THERAPEUTICS

SHENZHEN SIBIONO GENETECH CO., LTD

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FIGURE 37.VOYAGER: NET SALES, 2017–2019 (\$MILLION)

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