

Global VLP-based Vaccine Market Growth 2026-2032

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Abstracts

The global VLP-based Vaccine market size is predicted to grow from US\$ 655 million in 2025 to US\$ 1164 million in 2032; it is expected to grow at a CAGR of 8.7% from 2026 to 2032.

Virus-like particles (VLPs) have evolved to become a widely accepted technology, especially in the field of vaccinology. In fact, some VLP-based vaccines are currently used as commercial medical products, and other VLP-based products are at different stages of clinical study. Several remarkable advantages have been achieved in the development of VLPs as gene therapy tools and new nanomaterials. In recent years, the technologies develop very fast that are used to characterize the structural integrity, stability, and components, including the encapsidated nucleic acids, of newly synthesized VLPs.

The global pharmaceutical market is 1475 billion USD in 2022, growing at a CAGR of 5% during the next six years. The pharmaceutical market includes chemical drugs and biological drugs. For biologics is expected to 381 billion USD in 2022. In comparison, the chemical drug market is estimated to increase from 1005 billion in 2018 to 1094 billion U.S. dollars in 2022. The pharmaceutical market factors such as increasing demand for healthcare, technological advancements, and the rising prevalence of chronic diseases, increase in funding from private & government organizations for development of pharmaceutical manufacturing segments and rise in R&D activities for drugs. However, the industry also faces challenges such as stringent regulations, high costs of research and development, and patent expirations. Companies need to continuously innovate and adapt to these challenges to stay competitive in the market and ensure their products reach patients in need. Additionally, the COVID-19 pandemic has highlighted the importance of vaccine development and supply chain management, further emphasizing the need for pharmaceutical companies to be agile and responsive to emerging public health needs.

LP Information, Inc. (LPI) ' newest research report, the “VLP-based Vaccine Industry Forecast” looks at past sales and reviews total world VLP-based Vaccine sales in 2025, providing a comprehensive analysis by region and market sector of projected VLP-based Vaccine sales for 2026 through 2032. With VLP-based Vaccine sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world VLP-based Vaccine industry.

This Insight Report provides a comprehensive analysis of the global VLP-based Vaccine landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on VLP-based Vaccine portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global VLP-based Vaccine market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for VLP-based Vaccine and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global VLP-based Vaccine.

This report presents a comprehensive overview, market shares, and growth opportunities of VLP-based Vaccine market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Live-Attenuated Vaccines

Inactivated Vaccines

Recombinant Vaccines

Toxoid Vaccines

Segmentation by Application:

Hepatitis

HPV

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Merck and Co.

GlaxoSmithKline

Pfizer

Dynavax Technologies

Sanofi

Wantai BioPharm

Serum Institute of India

Bharat Biotech

LG Chem

VBI Vaccines

Key Questions Addressed in this Report

What is the 10-year outlook for the global VLP-based Vaccine market?

What factors are driving VLP-based Vaccine market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do VLP-based Vaccine market opportunities vary by end market size?

How does VLP-based Vaccine break out by Type, by Application?

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