

# Global Influenza Market - Vaccines and Therapeutics

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## Abstracts

The influenza virus has been implicated in infecting millions of individuals on an annual basis, with vaccination programs against seasonal influenza infections necessitating the manufacture of hundreds of million doses within a very short time period. The emergence of innovative production systems based on mammalian or insect cell cultures have resulted in surmount the hurdles associated with the egg-based production system. These industrially well-established production systems provide a faster and more flexible response to pandemic threats.

The existing range of influenza vaccines are produced in fertilized eggs, the embryo of which is infected in order that the virus can proliferate. Following a period of incubation, the virus is harvested and purified. This system of production is complicated and lacking in the event of a pandemic due to the possibility of generating low yields, not being amenable to rapid scale-up and being dependent on the availability of eggs. Global authorities have acknowledged problems associated with manufacturing vaccines based on eggs, resulting in creating a need for developing alternative vaccine production systems. The current scenario has been focusing on the development of manufacturing systems based on plants, bacteria, yeast and cell cultures.

Worldwide market for Influenza Vaccines is analyzed in both volumes in doses and value in USD for the period from 2012 through to 2022. The market for influenza therapeutics is analyzed in terms of value only at a global level. The global market for overall influenza is estimated to be US\$6.1 billion in 2016 and anticipated to reach US\$10.2 billion by 2022, witnessing a robust 8.5% CAGR between 2016 and 2022. Vaccines account for about 80% of the influenza market while therapeutics account for the remaining. However, therapeutics segment is projected to be the fastest growing with a CAGR of 11% during the aforementioned analysis period.

The report reviews, analyses and projects the Influenza therapeutics market at the

global level while vaccines market is explored in and the regional markets including North America, Europe, Asia-Pacific, South & Central America and Middle East & Africa.

This 128 page market research report includes 30 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 16 key global players and 39 major players across North America – 8; Europe – 10; Asia-Pacific – 20 and South & Central America – 1. The research also provides the listing of the companies engaged in research and development, manufacturing and supply of influenza vaccines and therapeutic. The global list of companies covers addresses, contact numbers and the website addresses of 80 companies.

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Biocryst Pharmaceuticals, Inc.  
CSL Limited  
Daiichi Sankyo Co., Ltd.  
Glaxosmithkline PLC  
Hualan Biological Engineering Inc.  
Instituto Butantan  
Mitsubishi Tanabe Pharma Corporation  
Nanotherapeutics Inc.  
Protein Sciences Corporation  
Roche Holding AG  
Sanofi SA  
Shanghai Institute of Biological Products Co., Ltd.  
Shionogi & Co., Ltd.  
Sinovac Biotech Ltd.

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Sanofi Pasteur Presented New Synthetic Vaccine COBRA at the World Vaccine Congress in Spain  
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Novartis Influenza Vaccine Business Acquired by CSL

GSK and bioCSL Amp Flu Vaccine Dose Count Shipped to the US

Sanofi Pasteur's Flu Vaccines Meet the Immunization Needs of People of Multiple Age Groups

FDA Approved Protein Sciences' Flublok Influenza Vaccine Formulated for the 2015-16 Flu Season

Outperformance of Flublok Quadrivalent Compared to Conventional Influenza Vaccine

bioCSL Receives Exclusive Global Rights to Commercialize RAPIVAB

Flublok Receives FDA Regulatory Exclusivity for 12 Years under the Affordable Care Act

Cipla Joined Forces with Serum Institute for Exclusive Sale of Nasovac-S Flu Vaccine in India

Zydus Cadila to Introduce 10 Shots in the Indian Vaccines Market

Daiichi Sankyo Partner with Chemo-Sera-Therapeutic Research Institute to Sell Kaketsuken

US FDA Licensed Protein Sciences' New York Production Plant for Producing Flublok Japan Vaccine Applied for the Production and Sales Approval for The Vaccine in Japan

Release of Serum Institute's NasoVac S Vaccine to Protect People from H1N1 Virus and Influenza A and B

Alere i Influenza A & B test, the First-Ever CLIA Waived Molecular Test to Identify and Differentiate Influenza A and B Virus within 15 Minutes

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Baxter's Patented Vero Cell Technology Platform Purchased by Nanotherapeutics

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Janssen and Vertex Inked an Exclusive License Deal to Develop, Produce and Commercialize VX-787

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Astellas Pharma Submitted Application for Marketing Approval of Recombinant Influenza HA Vaccine in Japan

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FDA Extends its Approval for Tamiflu to Treat Influenza in Infants Aged Two Weeks and Older

First Intramuscular Vaccine to Cover Against Four Influenza Strains Received FDA Approval

Protein Sciences Signs Deal with Pfizer to Broaden Vaccine Production Operations

Daiichi Sankyo Filed an Application for a Partial Label Modification in Japan to Produce and Market Inavir Dry Powder Inhaler

Outline of Phase II and Phase III Clinical Studies for Sanofi Pasteur's Investigational QIV Displayed at IDWeek

US Government Selected CSL Biotherapies for Supplying Pre-Pandemic and Pandemic Vaccine Antigens

Beijing CDC Chosen Sinovac for Supplying Seasonal Influenza Vaccine to Beijing Citizens

Restructuring of Infectious Diseases and Vaccines R&D Operations by MedImmune

GSK Filed Regulatory Applications for Two of its Influenza Vaccines

Baxter's VEPACEL Pre-pandemic Influenza Vaccine Approved by European Commission

FluMist Quadrivalent, the first quadrivalent influenza vaccine approved by the FDA

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Microbix Biosystems Inc. (Canada)



Nanotherapeutics Inc. (United States)  
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Japan Vaccine Co., Ltd. (Japan)  
NTpharma LLC (Russia)  
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China National Biotec Group (China)  
CSL Limited (Australia)  
Daiichi Sankyo Co., Ltd. (Japan)  
Dalian Aleph Biomedical Co., Ltd (China)  
Gamma Vaccines Pty Limited (Australia)  
Green Cross Corporation (South Korea)



Hualan Biological Engineering Inc. (China)  
Kaketsuken (The Chemo-Sero-Therapeutic Research Institute) (Japan)  
Mitsubishi Tanabe Pharma Corporation (Japan)  
Serum Institute of India Pvt. Ltd (India)  
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