

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.

Contents

PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

1.1 Product Outline

1.1.1 What is Influenza?

1.1.2 Influenza Virus Types

1.1.3 Influenza Types

1.1.3.1 Seasonal Influenza

1.1.3.2 Pandemic Influenza

1.1.3.3 Zoonotic Influenza

1.1.4 Treatment of Influenza

1.1.4.1 Neuraminidase Inhibitors

1.1.4.2 M2 Inhibitors

1.1.5 Influenza Vaccine Production Technologies

1.1.5.1 Egg Based Vaccine Manufacturing Technology

1.1.5.2 Cell Culture Based Vaccine Manufacturing Technology

1.1.5.3 Recombinant Production Technology

2. MAJOR PRODUCTS IN PIPELINE

2.1 Influenza Vaccines in Pipeline

2.2 Influenza Therapeutics in Pipeline

3. KEY MARKET TRENDS

3.1 Development of Novel Anti-Influenza Drugs to be Guided by Research

3.2 Potential to Reduce Influenza-Associated Atrial Fibrillation Shown by Flu Vaccine

3.3 Designer Drugs for Combating Flu

3.4 Influenza Vaccines Based on Cell Culture Gaining Traction

Production of Influenza Vaccine Using Mammalian Cell Culture

Production of Influenza Vaccine Using Insect Cell Culture

3.5 Emerging Technologies for Influenza Vaccine Production

Virus-Like Particles Influenza Vaccine

Vectored Influenza Vaccine

Cell-Based Produced LAIV

3.6 Traditional Seasonal Flu Vaccines Confront Challenge from Plant-Based Vaccines!

3.7 HHS Makes Progress in Developing Innovative Drug for Treating Influenza

4. KEY GLOBAL PLAYERS

Abbott Laboratories
Astrazeneca PLC
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.

5. KEY BUSINESS TRENDS

Roche in an Alliance with Shionogi for Anti-Flu Drug S-033188
Unveiling of Janssen Diagnostics' New Idylla Respiratory IFV-RSV Panel
Establishment of a New Corporate Office for Seqirus in the United Kingdom
Seqirus' FLUAD (Influenza Vaccine, Adjuvanted) Approved by US FDA
Mexican Regulatory Authorities Approved Flublok Influenza Vaccine for Adults 18 and Older
Seqirus, World's No.2 Influenza Vaccine Provider
Sanofi Pasteur Presented New Synthetic Vaccine COBRA at the World Vaccine Congress in Spain
First CLIA-Waived, Real-Time PCR Test for Influenza A and B Detection in 20 Minutes
Nationwide Availability of Flublok Influenza Vaccine
Sinovac Supplies Seasonal Influenza Vaccine for 2015 Vaccination Campaign in Beijing
Daiichi Sankyo Receives License to Develop and Commercialize FluMist Quadrivalent in Japan
Janssen and the Scripps Research Institute to Develop a Universal Flu Vaccine
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

CDC Receives Letter from Connecticut Representatives Urging the Purchase of Protein Sciences' Flublok Vaccine

Protein Sciences Form Pact to Assess Possible Sources for Flublok Influenza Vaccine from Japan

First Ever Approval from FDA for an Intravenous Flu Drug

Baxter's Patented Vero Cell Technology Platform Purchased by Nanotherapeutics

Protein Sciences' Flublok Influenza Vaccine Effective Against H3N2 Viruses

Sanofi Pasteur Received Approval for the Supplemental Biologics License Application for Fluzone Intradermal Quadrivalent Vaccine from the US FDA

US FDA Approval for Protein Sciences' Flublok Influenza Vaccine for People Aged 18 and Older

Liomont Granted with an Exclusive License to Flublok and Panblok Influenza Vaccines for the Mexico Market and other Latin American Nations

Beijing CDC Chosen Sinovac to be a Supplier of Seasonal Influenza Vaccines to the Citizens of Beijing for 2014

Divestiture of Abbott's Ex-US Branded Generic Drug Business

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

BARDA Exercised Option Period 2 of its Deal with Protein Sciences Corporation to

Develop Flublok and Panblok

FDA Grants First Time Approval for Producing Cell-Based Flu Vaccines in the US

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

Japanese Ministry of Health, Labour and Welfare Chosen Kitasato Daiichi Sankyo Vaccine for the Initiative of Cell Culture Vaccine Production Facility Capacity Building Clinical Trial Application with CFDA Submitted by Sinovac for its Patented H7N9 Vaccine

Acquisition of Key Supplier to BD Diagnostics' Point-of-Care Instrument Platform by BD Daiichi Sankyo's Inavir Inhibitor Approved for Use in the Japanese Market

AstraZeneca Receives EC Approval for Fluenz Tetra to Treat Seasonal Influenza in People aged 2-18 Years

US FDA Approved GSK's H5N1 Virus Monovalent Vaccine, Adjuvanted for Adults aged 18 and Older

New Phase III Clinical Studies of Recombinant Seasonal Influenza HA Vaccine ASP7374 Completed Successfully

PHARMAC Signed Influenza Vaccine Supply Deals with Abbott and GSK

US FDA's Proposed New Standards for Test Performance Improvement Accepted by BD

Fluzone High-Dose Vaccine Evidenced Superior Immune Responses than Standard Dose Fluzone Vaccine in the Prevention of Influenza in Older Adults

FDA Released the First lots of Sanofi Pasteur's Fluzone for Shipment for the 2013-2014 Season

Special 510(k) Clearances Granted for Quidel's Updated Package Inserts for its Rapid Diagnostic Tests for Influenza

Medicago to Become the Joint Venture Company of Mitsubishi Tanabe Pharma and Philip Morris Investments

A New Drug Application to the Ministry of Health, Labour and Welfare in Japan for the Cell Culture-Based Pandemic Influenza Vaccine Filed by Kitasato Daiichi Sankyo Vaccine

FDA Approved Fluzone Quadrivalent Vaccine for use in Patients of All Age Groups New Vaccine for Protection from H7N9 Influenza Virus to be Developed by Protein Sciences

Production of Influenza Vaccine Restarted by bioCSL for the Australian Market

GSK's Quadrivalent Influenza Vaccine Receives Approval from PEI in Germany and MHRA in the UK

Protein Sciences' Flublok Influenza Vaccine Receives Approval from the US FDA

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

Zydus Cadila, the First Indian Pharma Firm to Release Swine Flu Vaccine

6. GLOBAL MARKET OVERVIEW

6.1 Global Influenza Vaccines Market Overview

6.1.1 Global Influenza Vaccines Market Overview by Geographic Region

6.1.1.1 Market Analysis in Doses

6.1.1.2 Market Analysis in USD

6.2 Global Influenza Therapeutics Market Overview

PART B: REGIONAL MARKET PERSPECTIVE

REGIONAL MARKET OVERVIEW

1. NORTH AMERICA

1.1 North American Influenza Vaccines Market Overview by Geographic Region

1.1.1 Market Analysis in Doses

1.1.2 Market Analysis in USD

1.2 Major Market Players

Abbott Laboratories (United States)

BioCryst Pharmaceuticals, Inc. (United States)

Microbix Biosystems Inc. (Canada)

Nanotherapeutics Inc. (United States)
OPKO Health, Inc. (United States)
Pfizer Inc (United States)
Protein Sciences Corporation (United States)
Vivaldi Biosciences Inc. (United States)

2. EUROPE

2.1 European Influenza Vaccines Market Overview by Geographic Region

2.1.1 Market Analysis in Doses
2.1.2 Market Analysis in USD

2.2 Major Market Players

Astrazeneca PLC (United Kingdom)
MedImmune, LLC (United States)
Federal State Scientific-Industrial Company MICROGEN (Russia)
Glaxosmithkline PLC (United Kingdom)
Japan Vaccine Co., Ltd. (Japan)
NTpharma LLC (Russia)
OMNINVEST Vaccine Manufacturing, Researching and Trading Ltd (Hungary)
Roche Holding AG (Switzerland)
Sanofi SA (France)
Sanofi Pasteur MSD (France)

3. ASIA-PACIFIC

3.1 Asia-Pacific Influenza Vaccines Market Overview by Geographic Region

3.1.1 Market Analysis in Doses
3.1.2 Market Analysis in USD

3.2 Major Market Players

Beijing Tiantan Biological Products Co., Ltd (China)
BIKEN (The Research Foundation for Microbial Diseases of Osaka University) (Japan)
BioDiem Ltd (Australia)
Changchun Changsheng Life Sciences Limited (China)
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)
Shanghai Fosun Pharmaceutical (Group) Co., Ltd. (China)
Shanghai Institute of Biological Products Co., Ltd. (China)
Shionogi & Co., Ltd. (Japan)
Sinovac Biotech Ltd. (China)
SK Chemicals (South Korea)
UMN Pharma Inc. (Japan)

4. SOUTH & CENTRAL AMERICA

4.1 South & Central American Influenza Vaccines Market Overview by Geographic Region

4.1.1 Market Analysis in Doses

4.1.2 Market Analysis in USD

4.2 Instituto Butantan (Brazil) – Major Market Player

5. MIDDLE EAST & AFRICA

PART C: GUIDE TO THE INDUSTRY

1. NORTH AMERICA

2. EUROPE

3. ASIA-PACIFIC

4. REST OF WORLD

PART D: ANNEXURE

1. RESEARCH METHODOLOGY

2. FEEDBACK

CHARTS & GRAPHS

PART A: GLOBAL MARKET PERSPECTIVE

Chart 1: Global Influenza Market Overview (2012-2022) by Segment – Vaccines and Therapeutics in USD Million

Chart 2: Global Influenza Vaccines Market Overview (2012-2022) in Volume (Million Doses) and Value (USD Million)

Chart 3: Global Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific, South & Central America and Middle East & Africa in Million Doses

Chart 4: Glance at 2012, 2017 and 2022 Global Influenza Volume Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South & Central America and Middle East & Africa

Chart 5: Global Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific, South & Central America and Middle East & Africa in USD Million

Chart 6: Glance at 2012, 2017 and 2022 Global Influenza Value Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South & Central America and Middle East & Africa

Chart 7: Global Influenza Therapeutics Market Analysis (2012-2022) by Geographic Region – United States, Europe, Japan and Rest of World in USD Million

Chart 8: Glance at 2012, 2017 and 2022 Global Influenza Therapeutics Value Market Share (%) by Geographic Region – United States, Europe, Japan and Rest of World

PART B: REGIONAL MARKET PERSPECTIVE

Chart 9: The Largest Independent Regions in Terms of Projected Growth (2016-2022) for Influenza Vaccines Market by Geographic Region – North America, Europe, Asia-Pacific, South & Central America and Middle East & Africa

REGIONAL MARKET OVERVIEW

NORTH AMERICA

Chart 10: North American Influenza Vaccines Market Overview (2012-2022) in Volume (Million Doses) and Value (USD Million)

Chart 11: North American Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in Million Doses

Chart 12: Glance at 2012, 2017 and 2022 North American Influenza Vaccines Volume Market Share (%) by Geographic Region – United States, Canada and Mexico

Chart 13: North American Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – United States, Canada and Mexico in USD Million

Chart 14: Glance at 2012, 2017 and 2022 North American Influenza Vaccines Value Market Share (%) by Geographic Region – United States, Canada and Mexico

EUROPE

Chart 15: European Influenza Vaccines Market Overview (2012-2022) in Volume (Million Doses) and Value (USD Million)

Chart 16: European Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in Million Doses

Chart 17: Glance at 2012, 2017 and 2022 European Influenza Vaccines Volume Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe

Chart 18: European Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe in USD Million

Chart 19: Glance at 2012, 2017 and 2022 European Influenza Vaccines Value Market Share (%) by Geographic Region – France, Germany, Italy, Spain, United Kingdom and Rest of Europe

ASIA-PACIFIC

Chart 20: Asia-Pacific Influenza Vaccines Market Overview (2012-2022) in Volume (Million Doses) and Value (USD Million)

Chart 21: Asia-Pacific Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – China, India, Japan, South Korea, Australia and Rest of Asia-Pacific in Million Doses

Chart 22: Glance at 2012, 2017 and 2022 Asia-Pacific Influenza Vaccines Volume Market Share (%) by Geographic Region – China, India, Japan, South Korea, Australia and Rest of Asia-Pacific

Chart 23: Asia-Pacific Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – China, India, Japan, South Korea, Australia and Rest of Asia-Pacific in USD Million

Chart 24: Glance at 2012, 2017 and 2022 Asia-Pacific Influenza Vaccines Value Market Share (%) by Geographic Region – China, India, Japan, South Korea, Australia and Rest of Asia-Pacific

SOUTH & CENTRAL AMERICA

Chart 25: South & Central American Influenza Vaccines Market Overview (2012-2022) in Volume (Million Doses) and Value (USD Million)

Chart 26: South & Central American Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – Argentina, Brazil, Chile, Columbia, Venezuela and Rest of South America in Million Doses

Chart 27: Glance at 2012, 2017 and 2022 South & Central American Influenza Vaccines Volume Market Share (%) by Geographic Region – Argentina, Brazil, Chile, Columbia, Venezuela and Rest of South America

Chart 28: South & Central American Influenza Vaccines Market Analysis (2012-2022) by Geographic Region – Argentina, Brazil, Chile, Columbia, Venezuela and Rest of South America in USD Million

Chart 29: Glance at 2012, 2017 and 2022 South & Central American Influenza Vaccines Value Market Share (%) by Geographic Region – Argentina, Brazil, Chile, Columbia, Venezuela and Rest of South America

MIDDLE EAST & AFRICA

Chart 30: Middle East & Africa Influenza Vaccines Market Overview (2012-2022) in Volume (Million Doses) and Value (USD Million)

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