Global Influenza Market - Vaccines and Therapeutics

Description: 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
- Seqirus 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
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)
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
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
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)

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3642143/](http://www.researchandmarkets.com/reports/3642143/)
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Global Influenza Market - Vaccines and Therapeutics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3642143/">http://www.researchandmarkets.com/reports/3642143/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCH3AUO3</td>
</tr>
</tbody>
</table>

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐</th>
<th>Mrs ☐</th>
<th>Dr ☐</th>
<th>Miss ☐</th>
<th>Ms ☐</th>
<th>Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>___________________________</td>
<td>Last Name:</td>
<td>___________________________</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address:</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account number</td>
<td>833 130 83</td>
</tr>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street,</td>
</tr>
<tr>
<td></td>
<td>Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: ______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World