Analyzing Edible Vaccines

Description: The research report Analyzing Edible Vaccines details the revolutionary strides in the field of vaccine industry which is crucial in the human fight against diseases which were earlier only countered with traditional vaccination programs.

The essence of this approach is to ensure specificity of application, precision of targeting and achieving results comparably sustained with the traditional vaccination programs. Since studies have shown the best acceptance by humans to vaccination programs which are virtually “invisible” this school of thought has resulted in the introduction of a revolution known as “edible vaccines”.

This program has displayed remarkable adherence to cost effectiveness, ease of administration, storage adaptability and a vaccine system which finds broad and ready acceptance with various socio cultural environments across the world. This program though almost a decade old; is now finding wider attention due to its demonstrated results as well as the multiplication of delivery systems.

The core of edible vaccination programs revolve around the introduction of previously selected genes into plant hosts and then the growth of these modified plants to produce the desired coded proteins. Further research on these programs have broadened the scope of these vaccines beyond only preventing infective diseases to more practical applications as prevention of autoimmune disorders , birth control , cancer therapy etc.

This research report on Analyzing Edible Vaccines is an in depth study on the basics of vaccines and the major types of vaccines which are present in the traditional vaccine delivery systems. The report presents in detail the theoretical basics of edible vaccines and a close understanding of the action mechanism of the edible vaccines. Further, the report elaborates on the preparation of edible vaccines and the advances which have led to the achieving the second generation edible vaccines. As every technology faces its challenges the report emulates how the controversy over genetically modified food products, regulatory issues and other challenges are affecting the faster growth of edible vaccine systems.

A very crucial insight provided in the report is the analysis of clinical trials of edible vaccines apart from crossover leap of edible vaccines in the veterinary field. Since a vital role is played by the chimeric viruses in the propagation of these genes and their expression in the host plants the report also examines their role in this cycle. The report also explains the various domains where edible vaccines are applied with their latent advantages and limitations.

Further the report analyses the steps to develop an edible vaccine and the close miracles of science which transform the genetic materials in plants thereby lending them to being host candidates for edible vaccines such as the role of transgenic plants.

A complete section of the report is devoted to the process of vaccine derivation from plants and the control of the plants auto immune response mechanisms to manifest the antibodies in the plants.

Some of the diseases to which edible vaccines have shown promising application are elaborated in this report both in the veterinary as well as human spectrum where a crucial factor is preventing auto immunity. Research in the field of edible vaccines holds immense potential for the future which is also contrasted sharply with some of the patents lodged in this report.

A unique distinction of this report is the provision of a case study in the report on edible vaccine application for allergic immunotherapy.

The report concludes with a complete future outlook for edible vaccines which will give a confident understanding of the reach of edible vaccines into the future much beyond traditional vaccine delivery systems.

Contents: A. Executive Summary
B. Introduction to Edible Vaccines
B.1 Looking at Vaccines
B.2 Types of Vaccines
B.3 Concept of Edible Vaccines
B.4 Controversy of Genetically Modified Foods
B.5 Theory behind Edible Vaccines
B.6 How they work
B.7 Preparing of Edible Vaccines
B.8 Looking at Second Generation Edible Vaccines
B.9 Challenges Facing the Development of Edible Vaccines
B.10 Regulatory Issues
B.11 Analysis of Clinical Trials
B.12 Edible Vaccines in Veterinary Field
B.13 Role of Chimeric Viruses
B.14 Looking at Passive Immunization
B.15 Domains where Edible Vaccines are Utilized
B.16 Advantages of Edible Vaccines
B.17 Limitations of Edible Vaccines
B.18 Recent Developments

C. Looking at Some Background

D. How to Develop an Edible Vaccine

E. Transforming DNA/Gene into Plants

F. Potential Candidates for Edible Vaccines

G. Factors Influencing the Efficiency of Edible Vaccines

H. Analyzing Transgenic Plants for Immunotherapy
H.1 Introduction
H.2 Deriving Vaccines from Plants
H.3 Alteration of Immune Response to Obtain Immune Tolerance
H.4 Manifestation and Compilation of Antibodies in Plants
H.5 Future Perspective

I. Analyzing the Applications of Edible Vaccines
I.1 Bovine Pneumonia Pasteurellosis
I.2 Cholera
I.3 Diabetes
I.4 Hepatitis B
I.5 Human Trials
I.6 Malaria
I.7 Measles
I.8 Preventing Autoimmunity

J. Patents on Edible Vaccines

K. Potential of Research in this Field

L. Case Study: Edible Vaccine for Allergic Immunotherapy

M. Future of Edible Vaccines

N. Appendix

O. Glossary of Terms

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.

Product Name: Analyzing Edible Vaccines
Web Address: http://www.researchandmarkets.com/reports/1056523/
Office Code: SC6IYJ9S

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

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) -</td>
<td></td>
</tr>
<tr>
<td>Single User:</td>
<td>USD 750</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard Copy:</td>
<td>USD 1000 + USD 57</td>
</tr>
<tr>
<td>Shipping/Handling</td>
<td></td>
</tr>
<tr>
<td>CD-ROM:</td>
<td>USD 1000 + USD 57</td>
</tr>
<tr>
<td>Site License:</td>
<td>Shipping/Handling</td>
</tr>
<tr>
<td>Electronic (PDF) -</td>
<td>USD 1000</td>
</tr>
<tr>
<td>Site License:</td>
<td></td>
</tr>
<tr>
<td>Electronic (PDF) -</td>
<td>USD 1250</td>
</tr>
<tr>
<td>Enterprisewide:</td>
<td></td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________________________ Last Name: _______________________________________
Email Address: * _______________________________________
Job Title: ______________________________________________
Organisation: ___________________________________________
Address: _______________________________________________
City: ___________________________________________________
Postal / Zip Code: _______________________________________
Country: _______________________________________________
Phone Number: __________________________________________
Fax Number: ___________________________________________

* 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:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

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