

Global Live Cell Encapsulation Market Size study, By Manufacturing Technique (Simple Dripping, Electrostatic Dripping, Liquid Jet Break Up, Coaxial Airflow, Vibrating Jet, Jet Cutting, Rotating Disk Atomization), By Polymer Type (Alginate, HEMA-MMA, Chitosan, Siliceous Encapsulates, Cellulose Sulfate, PAN-PVC, Other Polymers), By Application (Drug Delivery, Regenerative medicine, Cell Transplantation, Probiotics, Research), and Regional Forecasts 2022-2028

<https://marketpublishers.com/r/G57BB672D3E7EN.html>

Date: March 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G57BB672D3E7EN

Abstracts

Global Live Cell Encapsulation Market is valued approximately USD 266.26 million in 2021 and is anticipated to grow with a healthy growth rate of more than 3,2 % over the forecast period 2022-2028.

Live Cell Encapsulation is the approach for curing various diseases, this technology encapsulates the live cells in protecting biocompatible capsules. These capsules guard live cells from getting destructed by the immune system. Live cell encapsulation is majorly used for cell-based therapeutic delivery, cell transplantation, and controlled drug delivery. The encapsulation of cells facilitates the distribution of molecules of interest for a longer time period and prevents the need for surgical procedures. The growing prevalence of the target diseases, rising emphasis on novel drug delivery systems for disease treatment, increasing public-private investments for supporting new product development, and raising public awareness for the clinical role of encapsulated cells in disease management are the primary factors for the surging market demand globally. In

addition, new product launch coupled with continuous technological advancements is further factors that accelerate the market growth around the world. For instance, In July 2019, PharmaCyte Biotech advances the treatment method by using the live-cell encapsulation technique for curing diabetes and cancer. However, high product manufacturing costs and limited availability of high-quality raw materials impede the growth of the market over the forecast period of 2022-2028. Also, growing public awareness for the role of encapsulated cells in disease management and increasing research and development activity are anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Live Cell Encapsulation Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the continuous technological advancements in live-cell encapsulation, rising public-private investments, and the presence of major market players in the region. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as increasing government initiatives to improve health care, as well as a rising number of research and development activities, would create lucrative growth prospects for the Live Cell Encapsulation Market across the Asia-Pacific region.

Major market players included in this report are:

BioTime, Inc.

Viacyte, Inc.

Living Cell Technologies Ltd.

Sigilon Therapeutics, Inc.

Blacktrace Holdings Ltd

Sernova Corporation

Neurotech Pharmaceuticals, Inc.

Gloriana Therapeutics

Beta-O2 Technologies, Inc.

Altucell, Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Manufacturing Technique

Simple Dripping

Electrostatic Dripping

Liquid Jet Break Up

Coaxial Airflow

Vibrating Jet

Jet Cutting

Rotating Disk Atomization

By Polymer Type

Alginate

HEMA-MMA

Chitosan

Siliceous Encapsulates

Cellulose Sulfate

PAN-PVC

Other Polymers

By Application

Drug Delivery

Regenerative medicine

Cell Transplantation

Probiotics

Research

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020
Base year – 2021
Forecast period – 2022 to 2028

Target Audience of the Global Live Cell Encapsulation Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Million)
 - 1.2.1. Global Live Cell Encapsulation Market, by Region, 2020-2028 (USD Million)
 - 1.2.2. Global Live Cell Encapsulation Market, by Manufacturing Technique, 2020-2028 (USD Million)
 - 1.2.3. Global Live Cell Encapsulation Market, by Polymer Type, 2020-2028 (USD Million)
 - 1.2.4. Global Live Cell Encapsulation Market, by Application, 2020-2028 (USD Million)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL LIVE CELL ENCAPSULATION MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL LIVE CELL ENCAPSULATION MARKET DYNAMICS

- 3.1. Live Cell Encapsulation Market Impact Analysis (2020-2028)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising focus on novel drug delivery systems for disease treatment
 - 3.1.1.2. Increasing public-private investments to support novel product advancement
 - 3.1.2. Market Challenges
 - 3.1.2.1. High product manufacturing costs
 - 3.1.2.2. Limited availability of high-quality raw materials
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Growing public awareness for role of encapsulated cells in disease management
 - 3.1.3.2. Increasing research and development activities

CHAPTER 4. GLOBAL LIVE CELL ENCAPSULATION MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2019-2028)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

CHAPTER 6. GLOBAL LIVE CELL ENCAPSULATION MARKET, BY MANUFACTURING TECHNIQUE

- 6.1. Market Snapshot
- 6.2. Global Live Cell Encapsulation Market by Manufacturing Technique, Performance - Potential Analysis
- 6.3. Global Live Cell Encapsulation Market Estimates & Forecasts by Manufacturing Technique 2019-2028 (USD Million)
- 6.4. Live Cell Encapsulation Market, Sub Segment Analysis
 - 6.4.1. Simple Dripping
 - 6.4.2. Electrostatic Dripping
 - 6.4.3. Liquid Jet Break Up
 - 6.4.4. Coaxial Airflow

- 6.4.5. Vibrating Jet
- 6.4.6. Jet Cutting
- 6.4.7. Rotating Disk Atomization

CHAPTER 7. GLOBAL LIVE CELL ENCAPSULATION MARKET, BY POLYMER TYPE

- 7.1. Market Snapshot
- 7.2. Global Live Cell Encapsulation Market by Polymer Type, Performance - Potential Analysis
- 7.3. Global Live Cell Encapsulation Market Estimates & Forecasts by Polymer Type 2019-2028 (USD Million)
- 7.4. Live Cell Encapsulation Market, Sub Segment Analysis
 - 7.4.1. Alginate
 - 7.4.2. HEMA-MMA
 - 7.4.3. Chitosan
 - 7.4.4. Siliceous Encapsulates
 - 7.4.5. Cellulose Sulfate
 - 7.4.6. PAN-PVC
 - 7.4.7. Other Polymers

CHAPTER 8. GLOBAL LIVE CELL ENCAPSULATION MARKET, BY APPLICATION

- 8.1. Market Snapshot
- 8.2. Global Live Cell Encapsulation Market by Application, Performance - Potential Analysis
- 8.3. Global Live Cell Encapsulation Market Estimates & Forecasts by Application 2019-2028 (USD Million)
- 8.4. Live Cell Encapsulation Market, Sub Segment Analysis
 - 8.4.1. Drug Delivery
 - 8.4.2. Regenerative medicine
 - 8.4.3. Cell Transplantation
 - 8.4.4. Probiotics
 - 8.4.5. Research

CHAPTER 9. GLOBAL LIVE CELL ENCAPSULATION MARKET, REGIONAL ANALYSIS

- 9.1. Live Cell Encapsulation Market, Regional Market Snapshot

- 9.2. North America Live Cell Encapsulation Market
 - 9.2.1. U.S. Live Cell Encapsulation Market
 - 9.2.1.1. Manufacturing Technique estimates & forecasts, 2019-2028
 - 9.2.1.2. Polymer Type estimates & forecasts, 2019-2028
 - 9.2.1.3. Application estimates & forecasts, 2019-2028
 - 9.2.2. Canada Live Cell Encapsulation Market
- 9.3. Europe Live Cell Encapsulation Market Snapshot
 - 9.3.1. U.K. Live Cell Encapsulation Market
 - 9.3.2. Germany Live Cell Encapsulation Market
 - 9.3.3. France Live Cell Encapsulation Market
 - 9.3.4. Spain Live Cell Encapsulation Market
 - 9.3.5. Italy Live Cell Encapsulation Market
 - 9.3.6. Rest of Europe Live Cell Encapsulation Market
- 9.4. Asia-Pacific Live Cell Encapsulation Market Snapshot
 - 9.4.1. China Live Cell Encapsulation Market
 - 9.4.2. India Live Cell Encapsulation Market
 - 9.4.3. Japan Live Cell Encapsulation Market
 - 9.4.4. Australia Live Cell Encapsulation Market
 - 9.4.5. South Korea Live Cell Encapsulation Market
 - 9.4.6. Rest of Asia Pacific Live Cell Encapsulation Market
- 9.5. Latin America Live Cell Encapsulation Market Snapshot
 - 9.5.1. Brazil Live Cell Encapsulation Market
 - 9.5.2. Mexico Live Cell Encapsulation Market
- 9.6. Rest of The World Live Cell Encapsulation Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Top Market Strategies
- 10.2. Company Profiles
 - 10.2.1. BioTime, Inc.
 - 10.2.1.1. Key Information
 - 10.2.1.2. Overview
 - 10.2.1.3. Financial (Subject to Data Availability)
 - 10.2.1.4. Product Summary
 - 10.2.1.5. Recent Developments
 - 10.2.2. ViacYTE, Inc.
 - 10.2.3. Living Cell Technologies Ltd.
 - 10.2.4. Sigilon Therapeutics, Inc.
 - 10.2.5. Blacktrace Holdings Ltd

- 10.2.6. Sernova Corporation
- 10.2.7. Neurotech Pharmaceuticals, Inc.
- 10.2.8. Gloriana Therapeutics
- 10.2.9. Beta-O2 Technologies, Inc.
- 10.2.10. Altucell, Inc.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Live Cell Encapsulation Market, report scope

TABLE 2. Global Live Cell Encapsulation Market estimates & forecasts by Region
2019-2028 (USD Million)

TABLE 3. Global Live Cell Encapsulation Market estimates & forecasts by
Manufacturing Technique 2019-2028 (USD Million)

TABLE 4. Global Live Cell Encapsulation Market estimates & forecasts by Polymer
Type 2019-2028 (USD Million)

TABLE 5. Global Live Cell Encapsulation Market estimates & forecasts by Application
2019-2028 (USD Million)

TABLE 6. Global Live Cell Encapsulation Market by segment, estimates & forecasts,
2019-2028 (USD Million)

TABLE 7. Global Live Cell Encapsulation Market by region, estimates & forecasts,
2019-2028 (USD Million)

TABLE 8. Global Live Cell Encapsulation Market by segment, estimates & forecasts,
2019-2028 (USD Million)

TABLE 9. Global Live Cell Encapsulation Market by region, estimates & forecasts,
2019-2028 (USD Million)

TABLE 10. Global Live Cell Encapsulation Market by segment, estimates & forecasts,
2019-2028 (USD Million)

TABLE 11. Global Live Cell Encapsulation Market by region, estimates & forecasts,
2019-2028 (USD Million)

TABLE 12. Global Live Cell Encapsulation Market by segment, estimates & forecasts,
2019-2028 (USD Million)

TABLE 13. Global Live Cell Encapsulation Market by region, estimates & forecasts,
2019-2028 (USD Million)

TABLE 14. Global Live Cell Encapsulation Market by segment, estimates & forecasts,
2019-2028 (USD Million)

TABLE 15. Global Live Cell Encapsulation Market by region, estimates & forecasts,
2019-2028 (USD Million)

TABLE 16. U.S. Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD
Million)

TABLE 17. U.S. Live Cell Encapsulation Market estimates & forecasts by segment
2019-2028 (USD Million)

TABLE 18. U.S. Live Cell Encapsulation Market estimates & forecasts by segment
2019-2028 (USD Million)

TABLE 19. Canada Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 20. Canada Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 21. Canada Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 22. UK Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 23. UK Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 24. UK Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 25. Germany Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 26. Germany Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 27. Germany Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 28. RoE Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 29. RoE Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 30. RoE Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 31. China Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 32. China Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 33. China Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 34. India Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 35. India Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 36. India Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 37. Japan Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 38. Japan Live Cell Encapsulation Market estimates & forecasts by segment

2019-2028 (USD Million)

TABLE 39. Japan Live Cell Encapsulation Market estimates & forecasts by segment

2019-2028 (USD Million)

TABLE 40. RoAPAC Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 41. RoAPAC Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 42. RoAPAC Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 43. Brazil Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 44. Brazil Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 45. Brazil Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 46. Mexico Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 47. Mexico Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 48. Mexico Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 49. RoLA Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 50. RoLA Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 51. RoLA Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 52. Row Live Cell Encapsulation Market estimates & forecasts, 2019-2028 (USD Million)

TABLE 53. Row Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 54. Row Live Cell Encapsulation Market estimates & forecasts by segment 2019-2028 (USD Million)

TABLE 55. List of secondary sources, used in the study of global Live Cell Encapsulation Market

TABLE 56. List of primary sources, used in the study of global Live Cell Encapsulation Market

TABLE 57. Years considered for the study

TABLE 58. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Live Cell Encapsulation Market, research methodology
- FIG 2. Global Live Cell Encapsulation Market, Market estimation techniques
- FIG 3. Global Market size estimates & forecast methods
- FIG 4. Global Live Cell Encapsulation Market, key trends 2021
- FIG 5. Global Live Cell Encapsulation Market, growth prospects 2022-2028
- FIG 6. Global Live Cell Encapsulation Market, porters 5 force model
- FIG 7. Global Live Cell Encapsulation Market, pest analysis
- FIG 8. Global Live Cell Encapsulation Market, value chain analysis
- FIG 9. Global Live Cell Encapsulation Market by segment, 2019 & 2028 (USD Million)
- FIG 10. Global Live Cell Encapsulation Market by segment, 2019 & 2028 (USD Million)
- FIG 11. Global Live Cell Encapsulation Market by segment, 2019 & 2028 (USD Million)
- FIG 12. Global Live Cell Encapsulation Market by segment, 2019 & 2028 (USD Million)
- FIG 13. Global Live Cell Encapsulation Market by segment, 2019 & 2028 (USD Million)
- FIG 14. Global Live Cell Encapsulation Market, regional snapshot 2019 & 2028
- FIG 15. North America Live Cell Encapsulation Market 2019 & 2028 (USD Million)
- FIG 16. Europe Live Cell Encapsulation Market 2019 & 2028 (USD Million)
- FIG 17. Asia pacific Market 2019 & 2028 (USD Million)
- FIG 18. Latin America Live Cell Encapsulation Market 2019 & 2028 (USD Million)
- FIG 19. Global Live Cell Encapsulation Market, company Market share analysis (2021)

I would like to order

Product name: Global Live Cell Encapsulation Market Size study, By Manufacturing Technique (Simple Dripping, Electrostatic Dripping, Liquid Jet Break Up, Coaxial Airflow, Vibrating Jet, Jet Cutting, Rotating Disk Atomization), By Polymer Type (Alginate, HEMA-MMA, Chitosan, Siliceous Encapsulates, Cellulose Sulfate, PAN-PVC, Other Polymers), By Application (Drug Delivery, Regenerative medicine, Cell Transplantation, Probiotics, Research), and Regional Forecasts 2022-2028

Product link: <https://marketpublishers.com/r/G57BB672D3E7EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G57BB672D3E7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970