

Lyophilization Services for Biopharmaceuticals Market Forecast to 2028 - COVID-19 Impact and Global Analysis By Service Type (Lyophilization Cycle Development, Clinical Manufacturing, Commercial Manufacturing, and Freeze Drying Analytical Services), and End User (Pharmaceutical & Biotechnology Companies, Research Institutes, and Others)

<https://marketpublishers.com/r/LD9ACB1D7CF1EN.html>

Date: May 2023

Pages: 156

Price: US\$ 4,550.00 (Single User License)

ID: LD9ACB1D7CF1EN

Abstracts

The lyophilization services for biopharmaceuticals market is expected to grow from US\$ 2.05 billion in 2022 to US\$ 3.58 billion by 2028; it is estimated to register a CAGR of 9.9% from 2023 to 2028.

The lyophilization services for biopharmaceuticals market growth is attributed to the rising demand for lyophilized products and rapidly growing contract manufacturing and lyophilization services across the world. However, the demerits associated with lyophilization process hinder the lyophilization services for biopharmaceuticals market growth.

Rising Demand for Lyophilized Products Drives Lyophilization Services for Biopharmaceuticals Market Growth

Lyophilization is a freeze drying method that removes water from the material to extend its stability and shelf life. The products processed under lyophilization are frozen under high vacuum that is majorly used for application in pharmaceutical industries to manufacture high quality and affordable products. Many new parenteral products,

including biotechnology-derived products, in-vitro diagnostics, and anti-infectives, are manufactured as lyophilized products. Many antibiotics such as some cephalosporins, semi-synthetic penicillin, erythromycin salts, chloramphenicol, and doxycycline are made by the lyophilization process. Low bioburden is expected when batching antibiotics formulations, which can be attained using lyophilization. Similarly, a few other dosage forms such as methylprednisolone sodium succinate, hydrocortisone sodium succinate, and many biotechnology-derived products are lyophilized.

Additionally, the number of biopharmaceuticals being developed and manufactured has increased considerably in recent years. Over ten novel biologics have been approved annually by the US Food and Drug Administration (FDA) in the last few years. According to the data published by FDA in February 2022, biologics continue to account for slightly more than 25% of all drugs accepted by the FDA. Most of these products are not stable as aqueous formulations, making it challenging to preserve them for longer durations. To achieve longer and commercially viable shelf lives, lyophilization is preferred for making dry biopharmaceutical formulations. According to the data published by Lubrizol Life Science, in October 2019, over 60% of biologics production in the market would not be possible without lyophilization, and market demand for lyophilization technology will increase due to the growing biosimilars and novel biologics development. The method proves to be beneficial when there is a stability issue while providing exact biologics dosage (for instance, very small and highly concentrated doses). Furthermore, it is suitable for biologics that are sensitive to heat, oxygen, and humidity.

Although lyophilization has been used for more than half a century in the drug product manufacturing industry owing to its ability to stabilize and extend the shelf life of pharmaceutical products, thus interest of biopharmaceutical manufacturers continues to grow, mainly due to the increasing number of biological drug development. Drug developers are focusing on adopting lyophilization as it can extend the shelf life of small and large-molecule drugs. The prevalence of formulation stability challenges for complex APIs and biologics has resulted in the adoption of lyophilization among most pharmaceutical and biotech manufacturers.

Further, lyophilization become important in the biotech industry, as several suppliers are introducing lyo-ready or pre-lyophilized products to the marketplace. As a result, the demand for lyophilization services is growing rapidly, which is driving the growth of the lyophilization services for biopharmaceuticals market.

The Report Segments of Lyophilization Services for Biopharmaceuticals Market are as

Follows.

Based on service type, the global lyophilization services for biopharmaceuticals market is segmented into commercial manufacturing, lyophilization cycle development, clinical manufacturing, and freeze drying analytical services. The commercial manufacturing segment held the largest market share in 2022. The lyophilization cycle development segment is expected to register the highest CAGR during the forecast period.

Based on end user, the global lyophilization services for biopharmaceuticals market is segmented into pharmaceutical and biotechnology companies, research institutes, and others. The pharmaceutical and biotechnology companies segment held the largest market share in 2022. The research institutes segment is expected to register the highest CAGR during the forecast period.

The World Health Organization (WHO), Food and Drug Administration (FDA), European Federation of Pharmaceutical Industry Associations, and Pharmaceutical Research, and Manufacturers of America are among the major primary and secondary sources referred to while preparing the report on the lyophilization services for biopharmaceuticals market.

Contents

1. INTRODUCTION

- 1.1 Scope of the Study
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
 - 1.3.1 Global Lyophilization Services for Biopharmaceuticals Market – by Service Type
 - 1.3.2 Global Lyophilization Services for Biopharmaceuticals Market – by End User
 - 1.3.3 Global Lyophilization Services for Biopharmaceuticals Market – by Geography

2. LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET – KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET – MARKET LANDSCAPE

- 4.1 Overview
- 4.2 PEST Analysis
 - 4.2.1 North America PEST Analysis
 - 4.2.2 Europe PEST Analysis
 - 4.2.3 Asia Pacific PEST Analysis
 - 4.2.4 South & Central America PEST Analysis
 - 4.2.5 Middle East & Africa PEST Analysis
- 4.3 Expert's Opinion

5. LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET – KEY MARKET DYNAMICS

- 5.1 Market Driver
 - 5.1.1 Rising Demand for Lyophilized Products
 - 5.1.2 Rapid Growth in Contract Manufacturing and Lyophilization Services

5.2 Market Restraints

5.2.1 Demerits Associated with Lyophilization Process

5.3 Market Opportunities

5.3.1 Launch of Advanced Lyophilization Technology

5.4 Future Trends

5.4.1 Growing Number of siRNA and Antibody-Based Formulations

5.5 Impact Analysis of Drivers and Restraints

6. LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET – GLOBAL ANALYSIS

6.1 Global Lyophilization Services for Biopharmaceuticals Market Revenue Forecast and Analysis

6.2 Global Lyophilization Services for Biopharmaceuticals Market, by Geography – Forecast and Analysis

6.3 Market Positioning of Key Players

7. GLOBAL LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET ANALYSIS AND FORECAST TO 2028 – BY SERVICE TYPE

7.1 Overview

7.2 Global Lyophilization Services for Biopharmaceuticals Market, by Service Type 2022 & 2028 (%)

7.3 Commercial Manufacturing

7.3.1 Overview

7.3.2 Commercial Manufacturing: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

7.4 Clinical Manufacturing

7.4.1 Overview

7.4.2 Clinical Manufacturing: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

7.5 Lyophilization Cycle Development

7.5.1 Overview

7.5.2 Lyophilization Cycle Development: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

7.6 Freeze Drying Analytical Services

7.6.1 Overview

7.6.2 Freeze Drying Analytical Services: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

8. GLOBAL LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET ANALYSIS AND FORECAST TO 2028 – BY END USER

8.1 Overview

8.2 Global Lyophilization Services for Biopharmaceuticals Market, by End User, 2022 & 2028 (%)

8.3 Pharmaceutical and Biotechnology Companies

8.3.1 Overview

8.3.2 Pharmaceutical and Biotechnology Companies: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

8.4 Research Institutes

8.4.1 Overview

8.4.2 Research Institutes: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

8.5 Others

8.5.1 Overview

8.5.2 Others: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9. LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET – REVENUE AND FORECAST TO 2028 – GEOGRAPHIC ANALYSIS

9.1 North America: Lyophilization Services for Biopharmaceuticals Market

9.1.1 Overview

9.1.2 North America: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.3 North America: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.1.4 North America: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.1.5 North America: Lyophilization Services for Biopharmaceuticals Market, by Country, 2022 & 2028 (%)

9.1.5.1 US: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.5.1.1 Overview

9.1.5.1.2 US: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.5.1.3 US: Lyophilization Services for Biopharmaceuticals Market, by Service Type,

2020–2028 (US\$ Million)

9.1.5.1.4 US Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.1.5.2 Canada: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.5.2.1 Overview

9.1.5.2.2 Canada: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.5.2.3 Canada: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.1.5.2.4 Canada: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.1.5.3 Mexico: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.5.3.1 Overview

9.1.5.3.2 Mexico: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.1.5.3.3 Mexico: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.1.5.3.4 Mexico: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.2 Europe: Lyophilization Services for Biopharmaceuticals Market

9.2.1 Overview

9.2.2 Europe: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.3 Europe: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.4 Europe: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.2.5 Europe: Lyophilization Services for Biopharmaceuticals Market, by Country, 2022 & 2028 (%)

9.2.5.1 Germany: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.1.1 Overview

9.2.5.1.2 Germany: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.1.3 Germany: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.5.1.4 Germany: Lyophilization Services for Biopharmaceuticals Market, by End

User, 2020–2028 (US\$ Million)

9.2.5.2 France: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.2.1 Overview

9.2.5.2.2 France: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.2.3 France: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.5.2.4 France: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.2.5.3 UK: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.3.1 Overview

9.2.5.3.2 UK: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.3.3 UK: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.5.3.4 UK: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.2.5.4 Italy: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.4.1 Overview

9.2.5.4.2 Italy: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.4.3 Italy: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.5.4.4 Italy: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.2.5.5 Spain: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.5.1 Overview

9.2.5.5.2 Spain: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.5.3 Spain: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.5.5.4 Spain: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.2.5.6 Rest of Europe: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.6.1 Overview

9.2.5.6.2 Rest of Europe: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.2.5.6.3 Rest of Europe: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.2.5.6.4 Rest of Europe: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3 Asia Pacific: Lyophilization Services for Biopharmaceuticals Market

9.3.1 Overview

9.3.2 Asia Pacific: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.3 Asia Pacific: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.4 Asia Pacific: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3.5 Asia Pacific: Lyophilization Services for Biopharmaceuticals Market, by Country, 2022 & 2028 (%)

9.3.5.1 China: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.1.1 Overview

9.3.5.1.2 China: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.1.3 China: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.5.1.4 China Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3.5.2 Japan: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.2.1 Overview

9.3.5.2.2 Japan: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.2.3 Japan: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.5.2.4 Japan: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3.5.3 India: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.3.1 Overview

9.3.5.3.2 India: Lyophilization Services for Biopharmaceuticals Market – Revenue and

Forecast to 2028 (US\$ Million)

9.3.5.3.3 India: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.5.3.4 India: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3.5.4 South Korea: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.4.1 Overview

9.3.5.4.2 South Korea: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.4.3 South Korea: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.5.4.4 South Korea: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3.5.5 Australia: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.5.1 Overview

9.3.5.5.2 Australia: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.5.3 Australia: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.5.5.4 Australia: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.3.5.6 Rest of Asia Pacific: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.6.1 Overview

9.3.5.6.2 Rest of Asia Pacific: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.3.5.6.3 Rest of Asia Pacific: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.3.5.6.4 Rest of Asia Pacific: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.4 Middle East & Africa Lyophilization Services for Biopharmaceuticals Market

9.4.1 Overview

9.4.2 Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.3 Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.4.4 Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market, by

End User, 2020–2028 (US\$ Million)

9.4.5 Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market, by Country, 2022 & 2028 (%)

9.4.5.1 Saudi Arabia: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.1.1 Overview

9.4.5.1.2 Saudi Arabia: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.1.3 Saudi Arabia: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.4.5.1.4 Saudi Arabia: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.4.5.2 South Africa: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.2.1 Overview

9.4.5.2.2 South Africa: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.2.3 South Africa: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.4.5.2.4 South Africa: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.4.5.3 UAE: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.3.1 Overview

9.4.5.3.2 UAE: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.3.3 UAE: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.4.5.3.4 UAE: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.4.5.4 Rest of Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.4.1 Overview

9.4.5.4.2 Rest of Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.4.5.4.3 Rest of Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.4.5.4.4 Rest of Middle East & Africa: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.5 South & Central America Lyophilization Services for Biopharmaceuticals Market

9.5.1 Overview

9.5.2 South & Central America: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.3 South & Central America: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.5.4 South & Central America: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.5.5 South & Central America: Lyophilization Services for Biopharmaceuticals Market, by Country, 2022 & 2028 (%)

9.5.5.1 Brazil: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.5.1.1 Overview

9.5.5.1.2 Brazil: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.5.1.3 Brazil: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.5.5.1.4 Brazil: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.5.5.2 Argentina: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.5.2.1 Overview

9.5.5.2.2 Argentina: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.5.2.3 Argentina: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.5.5.2.4 Argentina: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

9.5.5.3 Rest of South & Central America: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.5.3.1 Overview

9.5.5.3.2 Rest of South & Central America: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

9.5.5.3.3 Rest of South & Central America: Lyophilization Services for Biopharmaceuticals Market, by Service Type, 2020–2028 (US\$ Million)

9.5.5.3.4 Rest of South & Central America: Lyophilization Services for Biopharmaceuticals Market, by End User, 2020–2028 (US\$ Million)

10. IMPACT OF COVID-19 PANDEMIC ON LYOPHILIZATION SERVICES FOR

BIOPHARMACEUTICALS MARKET

- 10.1 North America: Impact Assessment of COVID-19 Pandemic
- 10.2 Europe: Impact Assessment of COVID-19 Pandemic
- 10.3 Asia Pacific: Impact Assessment of COVID-19 Pandemic
- 10.4 Middle East & Africa: Impact Assessment of COVID-19 Pandemic
- 10.5 South & Central America: Impact Assessment of COVID-19 Pandemic

11. GLOBAL LYOPHILIZATION SERVICES FOR BIOPHARMACEUTICALS MARKET – INDUSTRY LANDSCAPE

- 11.1 Overview
- 11.2 Growth Strategies in the Lyophilization Services for Biopharmaceuticals Market
- 11.3 Inorganic Growth Strategies
 - 11.3.1 Overview
- 11.4 Organic Growth Strategies
 - 11.4.1 Overview

12. COMPANY PROFILES

- 12.1 ATTWILL Medical Solutions
 - 12.1.1 Key Facts
 - 12.1.2 Business Description
 - 12.1.3 Products and Services
 - 12.1.4 Financial Overview
 - 12.1.5 SWOT Analysis
 - 12.1.6 Key Developments
- 12.2 Axcellerate Pharma LLC
 - 12.2.1 Key Facts
 - 12.2.2 Business Description
 - 12.2.3 Products and Services
 - 12.2.4 Financial Overview
 - 12.2.5 SWOT Analysis
 - 12.2.6 Key Developments
- 12.3 Labyrinth BioPharma LLC
 - 12.3.1 Key Facts
 - 12.3.2 Business Description
 - 12.3.3 Products and Services
 - 12.3.4 Financial Overview

- 12.3.5 SWOT Analysis
- 12.3.6 Key Developments
- 12.4 Berkshire Sterile Manufacturing
 - 12.4.1 Key Facts
 - 12.4.2 Business Description
 - 12.4.3 Products and Services
 - 12.4.4 Financial Overview
 - 12.4.5 SWOT Analysis
 - 12.4.6 Key Developments
- 12.5 PCI Pharma Services
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 Curia Global Inc
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Emergent BioSolutions Inc
 - 12.7.1 Key Facts
 - 12.7.2 Business Description
 - 12.7.3 Products and Services
 - 12.7.4 Financial Overview
 - 12.7.5 SWOT Analysis
 - 12.7.6 Key Developments
- 12.8 Jubilant HollisterStier LLC.
 - 12.8.1 Key Facts
 - 12.8.2 Business Description
 - 12.8.3 Products and Services
 - 12.8.4 Financial Overview
 - 12.8.5 SWOT Analysis
 - 12.8.6 Key Developments
- 12.9 Biofortuna
 - 12.9.1 Key Facts

- 12.9.2 Business Description
- 12.9.3 Products and Services
- 12.9.4 Financial Overview
- 12.9.5 SWOT Analysis
- 12.9.6 Key Developments
- 12.10 Lyophilization Technology, Inc.
- 12.10.1 Key Facts
- 12.10.2 Business Description
- 12.10.3 Products and Services
- 12.10.4 Financial Overview
- 12.10.5 SWOT Analysis
- 12.10.6 Key Developments
- 12.11 SYNERLAB GROUP
- 12.11.1 Key Facts
- 12.11.2 Business Description
- 12.11.3 Products and Services
- 12.11.4 Financial Overview
- 12.11.5 SWOT Analysis
- 12.11.6 Key Developments

13. APPENDIX

- 13.1 About The Insight Partners
- 13.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. North America Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 2. North America Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 3. US Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 4. US Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 5. Canada Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 6. Canada Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 7. Mexico Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 8. Mexico Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 9. Europe Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 10. Europe Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 11. Germany Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 12. Germany Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 13. France Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 14. France Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 15. UK Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 16. UK Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 17. Italy Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 18. Italy Lyophilization Services for Biopharmaceuticals Market, by End User –

Revenue and Forecast to 2028 (US\$ Million)

Table 19. Spain Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 20. Spain Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 21. Rest of Europe Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 22. Rest of Europe Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 23. Asia Pacific Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 24. Asia Pacific Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 25. China Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 26. China Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 27. Japan Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 28. Japan Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 29. India Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 30. India Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 31. South Korea Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 32. South Korea Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 33. Australia Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 34. Australia Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 35. Rest of Asia Pacific Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 36. Rest of Asia Pacific Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 37. Middle East & Africa Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 38. Middle East & Africa Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 39. Saudi Arabia Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 40. Saudi Arabia Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 41. South Africa Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 42. South Africa Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 43. UAE Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 44. UAE Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 45. Rest of Middle East & Africa Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 46. Rest of Middle East & Africa Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 47. South & Central America Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 48. South & Central America Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 49. Brazil Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 50. Brazil Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 51. Argentina Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 52. Argentina Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 53. Rest of South & Central America Lyophilization Services for Biopharmaceuticals Market, by Service Type – Revenue and Forecast to 2028 (US\$ Million)

Table 54. Rest of South & Central America Lyophilization Services for Biopharmaceuticals Market, by End User – Revenue and Forecast to 2028 (US\$ Million)

Table 55. Recent Inorganic Growth Strategies in the Lyophilization Services for Biopharmaceuticals Market

Table 56. Recent Organic Growth Strategies in the Lyophilization Services for Biopharmaceuticals Market

Table 57. Glossary of Terms

List Of Figures

LIST OF FIGURES

- Figure 1. Lyophilization Services for Biopharmaceuticals Market Segmentation
- Figure 2. Lyophilization Services for Biopharmaceuticals Market, by region
- Figure 3. Global Lyophilization Services for Biopharmaceuticals Market Overview
- Figure 4. Commercial Manufacturing Segment Held Largest Share of Service Type Segment in Lyophilization Services for Biopharmaceuticals Market
- Figure 5. Asia Pacific Expected to Show Remarkable Growth During Forecast Period
- Figure 6. Lyophilization Services for Biopharmaceuticals Market, by Geography (US\$ Million)
- Figure 7. Global Lyophilization Services for Biopharmaceuticals Market – Leading Country Markets (US\$ Million)
- Figure 8. Global Lyophilization Services for Biopharmaceuticals Market – Industry Landscape
- Figure 9. North America: PEST Analysis
- Figure 10. Europe: PEST Analysis
- Figure 11. Asia Pacific: PEST Analysis
- Figure 12. South & Central America: PEST Analysis
- Figure 13. Middle East & Africa: PEST Analysis
- Figure 14. Experts' Opinion
- Figure 15. Lyophilization Services for Biopharmaceuticals Market Impact Analysis of Drivers and Restraint
- Figure 16. Global Lyophilization Services for Biopharmaceuticals Market – Revenue Forecast and Analysis – 2020–2028
- Figure 17. Global Lyophilization Services for Biopharmaceuticals Market, by Geography – Forecast and Analysis (2022 & 2028)
- Figure 18. Market Positioning of Key Players in Lyophilization Services for Biopharmaceuticals Market
- Figure 19. Global Lyophilization Services for Biopharmaceuticals Market, by Service Type 2022 & 2028 (%)
- Figure 20. Commercial Manufacturing: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 21. Clinical Manufacturing: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 22. Lyophilization Cycle Development: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 23. Freeze Drying Analytical Services: Lyophilization Services for

Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 24. Global Lyophilization Services for Biopharmaceuticals Market, by End User, 2022 & 2028 (%)

Figure 25. Pharmaceutical and Biotechnology Companies: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 26. Research Institutes: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 27. Others: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 28. North America: Lyophilization Services for Biopharmaceuticals Market, by Key Country – Revenue (2022) (US\$ Million)

Figure 29. North America Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 30. US: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 31. Canada: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 32. Mexico: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 33. Europe: Lyophilization Services for Biopharmaceuticals Market, by Key Country – Revenue (2022) (US\$ Million)

Figure 34. Europe Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 35. Europe: Lyophilization Services for Biopharmaceuticals Market, by Country, 2022 & 2028 (%)

Figure 36. Germany: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 37. France: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 38. UK: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 39. Italy: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 40. Spain: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 41. Rest of Europe: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 42. Asia Pacific: Lyophilization Services for Biopharmaceuticals Market, by Key Country – Revenue (2022) (US\$ Million)

Figure 43. Asia Pacific Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 44. China: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 45. Japan: Lyophilization Services for Biopharmaceuticals Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 46. India: Lyophilization Services for Biopharmaceuticals Market – Revenue and For

I would like to order

Product name: Lyophilization Services for Biopharmaceuticals Market Forecast to 2028 - COVID-19 Impact and Global Analysis By Service Type (Lyophilization Cycle Development, Clinical Manufacturing, Commercial Manufacturing, and Freeze Drying Analytical Services), and End User (Pharmaceutical & Biotechnology Companies, Research Institutes, and Others)

Product link: <https://marketpublishers.com/r/LD9ACB1D7CF1EN.html>

Price: US\$ 4,550.00 (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/LD9ACB1D7CF1EN.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