

Lyophilization Services For Biopharmaceuticals Market Set to Reach \$3.01 Billion by 2029

*The Business Research Company's
Lyophilization Services For
Biopharmaceuticals Global Market
Report 2025 – Market Size, Trends, And
Global Forecast 2025-2034*

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Lyophilization Services For Biopharmaceuticals Global
Market Report 2025

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Over recent years, there has been significant growth in the market size of lyophilization services for biopharmaceuticals. The market, valued at \$1.82 billion in 2024, is projected to increase to \$2 billion in 2025, experiencing a compound annual growth rate (CAGR) of 9.8%. Factors contributing to this historic growth include the expansion of biopharmaceuticals, expirations of drug patents, the surge in personalized medicine, an uplift in clinical trials, and the globalization of the biopharmaceutical market.

Quick expansion is predicted in the lyophilization services for biopharmaceuticals market over the impending years. The market is expected to reach a worth of \$3.01 billion in 2029, growing at a compound annual growth rate (CAGR) of 10.8%. Factors driving this growth during the forecast period include the advent of mRNA and nucleic acid therapeutics, pharma industry outsourcing trends, emphasis on uninterrupted manufacturing, advancements in combination therapies, and the surge in biosimilars production. Key trends for the forecast period involve quality-by-design (QBD) application, integration of automation and robotics, a focus on sustainability,

customization for intricate molecules, and a transition towards continuous lyophilization.

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What Are The Key Factors Driving Growth In The Lyophilization Services For Biopharmaceuticals Market?

An upward trend in biologics demand is set to catalyze the expansion of the lyophilization services for biopharmaceuticals market. Biologics, which are medicinal products born from or containing elements of living beings, use lyophilization services frequently in the pharmaceutical and biopharmaceutical sectors. This process is essential in preserving the stability of biologics as it prevents them from denaturing or degrading, and it also plays a role in enhancing stability and boosting product integrity. For example, in November 2022, the Canadian Institute for Health Information, a health organization operated by the Canadian government, revealed that biologics represented 2.3% of claims and \$4.4 billion (29.4% of total public medication program expenses) in 2021. In addition, by the end of 2022, the US Food and Drug Administration, an American federal agency under the Department of Health and Human Services, had approved 40 biosimilars, with 27 of those available in the United States where they were competing against 10 branded biologics. Consequently, the growing demand for biologics propels the market for lyophilization services in biopharmaceuticals.

What Are The Top Players Operating In The Lyophilization Services For Biopharmaceuticals Market?

Major players in the Lyophilization Services For Biopharmaceuticals include:

- Strides Pharma Science Limited
- Baxter International Inc.
- Catalent Pharma Solutions Inc
- Emergent BioSolutions Inc.
- Vetter Pharma International GmbH
- Curia Global Inc.
- Corden Pharma GmbH
- Lyophilization Services of New England Inc.
- Jubilant HollisterStier LLC
- Dalton Pharma Services

What Are The Major Trends That Will Shape The Lyophilization Services For Biopharmaceuticals Market In The Future?

Major players in the lyophilization services market for biopharmaceuticals are creating technologies such as modular designs that enhance flexibility and scalability in production, increase efficiency in using equipment, and allow for faster adjustments to changing manufacturing needs. The modular design methodology deconstructs a system into smaller, independent units or modules, enabling flexibility, effortless customization, and efficient reconfiguration or replacement of components without causing upheaval in the entire system.

For example, in June 2024, Syntegon Technology, an industrial machinery company based in Germany, introduced the Modular Bioprocessing Platform (MBP). As a modular system, the MBP can be customized for a variety of applications, including microbial and mammalian cell cultures, proteins, peptides, oligonucleotides, plasmid DNA, and recombinant vaccines. This design method allows manufacturers of biopharmaceuticals to adapt swiftly to varying production demands while maintaining product quality.

Comprehensive Segment-Wise Insights Into The Lyophilization Services For Biopharmaceuticals Market

The lyophilization services for biopharmaceuticals market covered in this report is segmented –

- 1) By Type: Product And Cycle Development, Clinical Manufacturing, Commercial Manufacturing, Freeze Drying Analytical Services
- 2) By Type Of Primary Packaging System: Vials, Syringes, Cartridges, Ampoules, Other Primary Packaging Systems
- 3) By Application: Pharmaceutical And Biotechnology Companies, Research Institutes, Other Applications

Subsegments:

- 1) By Product And Cycle Development: Formulation Development, Cycle Optimization, Stability Studies
- 2) By Clinical Manufacturing: Small-Scale Production, Clinical Trial Material Production
- 3) By Commercial Manufacturing: Large-Scale Production, Bulk Product Manufacturing
- 4) By Freeze Drying Analytical Services: Product Characterization, Stability Testing, Process Validation

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[Global Lyophilization Services For Biopharmaceuticals Market](#) - Regional Insights

In 2024, North America dominated the market for lyophilization services in the biopharmaceuticals sector. The fastest growth, however, is anticipated to be in the Asia-Pacific region within the forecast period. The market report detailed these regions: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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