

# Global Upstream Bioprocessing Market 2023-2029

<https://marketpublishers.com/r/GFBE570139EFEN.html>

Date: March 2023

Pages: 73

Price: US\$ 2,350.00 (Single User License)

ID: GFBE570139EFEN

## Abstracts

Upstream bioprocessing is the first step in manufacturing biopharmaceutical products. It involves the cultivation of living cells that produce therapeutic proteins or other biologics using fermentation or cell culture techniques. This process involves preparing a culture medium or matrix for the growth of the desired cells, inoculating them into the medium, monitoring various parameters such as pH, temperature, oxygen levels, and nutrient availability, and harvesting and isolating the product from the cell culture. The upstream bioprocessing phase is crucial as it sets the stage for downstream bioprocessing, which involves the separation, purification, and formulation of the biologic product. The global upstream bioprocessing market is projected to rise by USD 8.2 billion by 2029, according to the latest market study results. It is anticipated to expand at a CAGR of 11.95 percent during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global upstream bioprocessing market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, use type, mode, workflow, and region. The global market for upstream bioprocessing can be segmented by product: bioreactors/fermenters, cell culture products, filters, bioreactors accessories, bags & containers, others. According to the research, the bioreactors/fermenters segment had the largest share in the global upstream bioprocessing market. Upstream bioprocessing market is further segmented by use type: multi-use, single-use. In 2022, the multi-use segment made up the largest share of revenue generated by the upstream bioprocessing market. Based on mode, the upstream bioprocessing market is

segmented into: in-house, outsourced. Among these, the in-house segment was accounted for the highest revenue generator in 2022. On the basis of workflow, the upstream bioprocessing market also can be divided into: media preparation, cell culture, cell separation. The cell culture segment captured the largest share of the market in 2022. Upstream bioprocessing market by region is categorized into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America.

### Market Segmentation

By product: bioreactors/fermenters, cell culture products, filters, bioreactors accessories, bags & containers, others

By use type: multi-use, single-use

By mode: in-house, outsourced

By workflow: media preparation, cell culture, cell separation

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report explores the recent developments and profiles of key vendors in the Global Upstream Bioprocessing Market, including Applikon Biotechnology B.V., Boehringer Ingelheim GmbH, Corning, Inc., Danaher Corporation, Eppendorf AG, GE Healthcare, Lonza Group AG, Merck KGaA, Sartorius AG, Thermo Fisher Scientific, Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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### Scope of the Report

To analyze and forecast the market size of the global upstream bioprocessing market.

To classify and forecast the global upstream bioprocessing market based on product, use type, mode, workflow, region.

To identify drivers and challenges for the global upstream bioprocessing market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global upstream bioprocessing market.

To identify and analyze the profile of leading players operating in the global upstream bioprocessing market.

### Why Choose This Report

Gain a reliable outlook of the global upstream bioprocessing market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.  
Strategy consulting and research support for three months.  
Print authentication provided for the single-user license.

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Asia-Pacific

MEA (Middle East and Africa)

Latin America

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Applikon Biotechnology B.V.

Boehringer Ingelheim GmbH

Corning, Inc.

Danaher Corporation

Eppendorf AG

GE Healthcare

Lonza Group AG

Merck KGaA

Sartorius AG

Thermo Fisher Scientific, Inc.

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