

# **Single-use Bioprocessing Market Size, Share, and Analysis, By Product (Filtration Assemblies, Disposable Bioreactors, Disposable Mixers, Media Bags & Containers, and Others), By Application (Filtration, Purification, Cell Culture, Mixing, and Others), By End User (Biotechnology & Pharmaceutical Companies, Academic & Research Institutes, CMOs & CROs), By Workflow (Upstream, Downstream, Fermentation) and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034**

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## **Abstracts**

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## **PRODUCT OVERVIEW**

Single-use Bioprocessing Market, valued at USD 28.8 billion in 2023, is expected to expand at a compound annual growth rate (CAGR) of 16.5% over the forecast period from 2024 to 2034, reaching an estimated market size of USD 154.4 billion by 2034.

Single-use bioprocessing involves the use of disposable, pre-sterilized equipment and components for manufacturing biopharmaceutical products. This technology offers significant benefits, such as cost reduction by eliminating the need for cleaning and sterilization between batches, resulting in lower operational costs and reduced downtime. Single-use systems also provide increased flexibility, allowing for easy scaling of production processes to meet changing demands. They help minimize the risk of cross-contamination, enhancing product safety. The rapid setup and processing times associated with disposable equipment accelerate the development and production cycle, leading to a faster time-to-market. The growing demand for biopharmaceuticals is driving the adoption of single-use bioprocessing among biotech and pharmaceutical companies, as well as contract research and manufacturing organizations.

## MARKET HIGHLIGHTS

Single-use Bioprocessing Market is expected to achieve a value of USD 154.4 billion, with a growth rate of 16.5% over the forecast period. The market growth is driven by the cost-effectiveness, operational flexibility, and enhanced product safety offered by single-use systems. The elimination of cleaning and sterilization processes between batches reduces operational costs and downtime. The ability to quickly scale production processes is crucial for meeting the evolving needs of biopharmaceutical development. Moreover, single-use systems reduce the risk of contamination, ensuring product safety. The market is expected to continue growing due to the increasing demand for biopharmaceuticals, advancements in single-use materials and technologies, regulatory support, and the industry's shift towards more agile manufacturing processes.

### Single-use Bioprocessing Market Segments:

#### By Product

Filtration Assemblies

Disposable Bioreactors

Disposable Mixers

Media Bags & Containers

Others

By Application

Filtration

Purification

Cell Culture

Mixing

Others

By End User

Biotechnology & Pharmaceutical Companies

Academic & Research Institutes

CMOs & CROs

By Workflow

Upstream

Downstream

Fermentation

## MARKET DYNAMICS

Growth Drivers

Increased Demand and Adoption of Single-Use Systems to Drive Market Growth

Rising Investment in Research and Development Activities Are Fueling Market Expansion

Restraint

Stringent Regulatory Laws to Create Challenges for Market Growth

Key Players

Thermo Fisher Scientific Inc.

(Cytiva) Danaher Corporation

Sartorius AG

Merck KGaA

GE Healthcare

Eppendorf AG

Corning Incorporated

Saint-Gobain

Parker Hannifin Corporation

3M

Meissner Filtration Products, Inc.

CESCO Bioengineering Co., Ltd.

Rentschler Biopharma SE

Entegris, Inc.

Kuhner AG

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

#### Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major

players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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