

# **Single Use Bioreactors Market Size, Trends, Analysis, and Outlook By Product (Single Use Bioreactor Systems, Single Use Media Bags, Single Use Filtration Assemblies, Others), By Molecule (Stirred-tank single use bioreactors, Wave-induced single use bioreactors, Bubble-column single use bioreactors, Others), By Type of Cell (Mammalian cells, Bacterial cells, Yeast cells, Others), By Application (Bioproduction, Process development, Research & development), By End-User (Pharmaceutical & biotechnology companies, CROs & CMOs, Academic & research institutes), by Country, Segment, and Companies, 2024-2032**

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## **Abstracts**

The global Single Use Bioreactors market size is poised to register 18.3% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Single Use Bioreactors market across By Product (Single Use Bioreactor Systems, Single Use Media Bags, Single Use Filtration Assemblies, Others), By Molecule (Stirred-tank single use bioreactors, Wave-induced single use bioreactors, Bubble-column single use bioreactors, Others), By Type of Cell (Mammalian cells, Bacterial cells, Yeast cells, Others), By Application (Bioproduction, Process development, Research & development), By End-User (Pharmaceutical & biotechnology companies, CROs & CMOs, Academic & research institutes)

In the Single Use Bioreactors market, the increasing demand for biopharmaceuticals and the need for flexible and cost-effective manufacturing solutions are driving the adoption of single-use bioreactors in bioprocessing operations. Single-use bioreactors offer advantages such as reduced cross-contamination risk, simplified cleaning processes, and faster turnaround times compared to traditional stainless steel bioreactors. With the growing pipeline of biologics, cell therapies, and vaccines, there is a rising need for single-use bioreactors that offer scalability, robustness, and compatibility with various cell culture systems. Further, advancements in single-use technology, sensor integration, and automation are driving market growth by enabling more efficient and reproducible bioproduction processes. By 2030, the market is poised for significant expansion as biopharmaceutical companies and contract manufacturing organizations (CMOs) embrace single-use bioreactors to accelerate time-to-market and improve manufacturing flexibility.

### Single Use Bioreactors Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Single Use Bioreactors market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Single Use Bioreactors survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Single Use Bioreactors industry.

### Key market trends defining the global Single Use Bioreactors demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Single Use Bioreactors Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Single Use Bioreactors industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly,

leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Single Use Bioreactors companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Single Use Bioreactors industry

Leading Single Use Bioreactors companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Single Use Bioreactors companies.

Single Use Bioreactors Market Study- Strategic Analysis Review

The Single Use Bioreactors market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Single Use Bioreactors Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Single Use Bioreactors industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios-

low case, reference case, and high case scenarios.

## Single Use Bioreactors Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

### North America Single Use Bioreactors Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Single Use Bioreactors market segments. Similarly, Strong market demand is encouraging Canadian Single Use Bioreactors companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Single Use Bioreactors market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

### Europe Single Use Bioreactors Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Single Use Bioreactors industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Single Use Bioreactors market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

### Asia Pacific Single Use Bioreactors Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Single Use Bioreactors in Asia Pacific. In particular, China, India, and South East Asian Single Use Bioreactors markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

**Latin America Single Use Bioreactors Market Size Outlook- Continued urbanization and rising income levels**

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Single Use Bioreactors Market Size Outlook- continues its upward trajectory across segments**

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Single Use Bioreactors market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Single Use Bioreactors.

**Single Use Bioreactors Market Company Profiles**

The global Single Use Bioreactors market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are ABEC Inc, Avantor Inc, BBI-Biotech GmbH, Cellexus Ltd, Cesco Bioengineering Co. Ltd, Corning Inc, Danaher Corp, Distek Inc, Entegris Inc, Eppendorf AG, G&G Technologies Inc, Getinge AB, K?hner AG, Merck KGaA, PBS Biotech Inc, ReproCell Inc, Sartorius AG, SATAKE MULTIMIX Corp, Tecnic Bioprocess Equipment Manufacturing, Thermo Fisher Scientific

Inc.

## Recent Single Use Bioreactors Market Developments

The global Single Use Bioreactors market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Single Use Bioreactors Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

## Market Segmentation:

By Product

## Single Use Bioreactor Systems

-Up to 10 L

-11 to 100 L

-101 to 500 L

-501 to 1500 L

-Above 1500 L

## Single Use Media Bags

-2D Bags

-3D Bags

-Others

## Single Use Filtration Assemblies

Others

## By Molecule

Stirred-tank single use bioreactors

Wave-induced single use bioreactors

Bubble-column single use bioreactors

Others

## By Type of Cell

Mammalian cells

Bacterial cells

Yeast cells

Others

By Application

Bioproduction

Process development

Research & development

By End-User

Pharmaceutical & biotechnology companies

CROs & CMOs

Academic & research institutes

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

ABEC Inc

Avantor Inc



BBI-Biotech GmbH

Cellexus Ltd

Cesco Bioengineering Co. Ltd

Corning Inc

Danaher Corp

Distek Inc

Entegris Inc

Eppendorf AG

G&G Technologies Inc

Getinge AB

K?hner AG

Merck KGaA

PBS Biotech Inc

ReproCell Inc

Sartorius AG

SATAKE MULTIMIX Corp

Tecnic Bioprocess Equipment Manufacturing

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

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- 501 to 1500 L
- Above 1500 L
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  - 3D Bags
  - Others
- Single Use Filtration Assemblies
- Others
- By Molecule
  - Stirred-tank single use bioreactors
  - Wave-induced single use bioreactors
  - Bubble-column single use bioreactors
  - Others
- By Type of Cell
  - Mammalian cells
  - Bacterial cells
  - Yeast cells
  - Others
- By Application
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BBI-Biotech GmbH  
Cellexus Ltd  
Cesco Bioengineering Co. Ltd  
Corning Inc  
Danaher Corp

Distek Inc  
Entegris Inc  
Eppendorf AG  
G&G Technologies Inc  
Getinge AB  
K?hner AG  
Merck KGaA  
PBS Biotech Inc  
ReproCell Inc  
Sartorius AG  
SATAKE MULTIMIX Corp  
Tecnic Bioprocess Equipment Manufacturing  
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