

Single Use Bioreactors Market by Product (System, Media Bag, Filtration assemblies), Type (Stirred tank, Bubble column), Cell Type (Mammalian, Bacterial, Yeast), Molecule (mAbs, Vaccines), End User (Pharma, Biotech, CROs, CMOs) & Region - Global Forecast to 2028

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Abstracts

The global single-use bioreactors market is projected to reach USD 10.0 billion by 2028 from USD 4.2 billion in 2023, at a CAGR of 19.0% during the forecast period of 2023 to 2028. Factors such as lower operational complexity of single-use bioreactors compared to conventional bioreactors, increasing adoption of single-use bioreactors among startups and SMEs, low water and energy consumption among others are expected to provide growth to the market.

Bioproduction is expected to account for the largest share for application segment

Based on application, the single-use bioreactors market is segmented into research & development, process development, and bioproduction. The bioproduction segment accounted for the largest share of the market in 2022 owing to the increasing use of single-use bioreactors in biomanufacturing processes and the increasing demand for single-use bioreactor products in CMOs due to the advantages that they offer such as flexibility and scalability.

The pharmaceutical & biotechnology companies segment accounted for the largest share of the end user segment in the single-use bioreactors market

Based on end users, the single-use bioreactors market is segmented into

pharmaceutical & biotechnology companies, CROs & CMOs, and academic & research institutes. In 2022, the pharmaceutical & biotechnology companies segment accounted for the largest share of the single-use bioreactors market owing to the increasing R&D initiatives by pharmaceutical, biopharmaceutical, and biotechnology companies and a growing biologics & biosimilar production.

Europe is the second largest region in the single-use bioreactors market

The single-use bioreactors market is segmented into North America, Europe, Asia Pacific, Latin America (LATAM) and Middle East and Africa (MEA). After North America, Europe is the second-largest regional pharmaceutical market globally. Increasing adoption of single-use bioreactors by CDMOs and biopharma companies in the region and government support through fundings, investments to support market growth.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 70% and Demand Side 30%

By Designation: Managers- 45%, CXOs and Director level - 30%, and Executives - 25%

By Region: North America -20%, Europe -10%, Asia-Pacific -55%, Latin America -10%, and Middle East and Africa – 5%

Prominent Players of the single-use bioreactors market are Sartorius AG (Germany), Thermo Fisher Scientific (US), Danaher Corporation (US), and Merck Millipore (Germany).

Research Coverage:

This report provides a detailed picture of the single-use bioreactors market. It aims at estimating the size and future growth potential of the market across different segments such as the product, type, type of cell, type of molecule, application, end user and region. The report also includes an in-depth competitive analysis of the key market players along with their company profiles recent developments and key market strategies.

Key Benefits of Buying the Report:

Single Use Bioreactors Market by Product (System, Media Bag, Filtration assemblies), Type (Stirred tank, Bubbl...

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall single-use bioreactors market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, challenges, trends, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (the increasing adoption of single-use bioreactors among startups and SMEs, reduced operational complexity of single-use bioreactors compared to conventional bioreactors, lower energy and water consumption, growing biologics and biosimilars market, and technological advancements in single-use bioreactors), restraints (Regulatory concerns related to single-use bioreactors and Issues related to leachables and extractables), opportunities (Hybrid facilities for sustainable manufacturing and Emerging markets), and challenges (Standardization of single-use designs and Disposal of waste) influencing the growth of single-use bioreactors market.

Product Development/Innovation: Detailed insights on newly launched products, and technological assessment of the single-use bioreactors market.

Market Development: Comprehensive information about lucrative markets – the report analyses the single-use bioreactors market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the single-use bioreactors market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players like Sartorius AG (Germany), Thermo Fisher Scientific (US), Danaher Corporation (US), and Merck Millipore (Germany) among others in the single-use bioreactors market. The report also helps stakeholders understand the pulse of single-use bioreactors market and provides them information on key market drivers, restraints, challenges, and opportunities along with market trends.

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*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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