

Single Use Bioprocessing Market Size, Share & Trends Analysis By Product, By Application, By End User, Regional Outlook, Competitive Strategies and Segment Forecasts to 2030

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Abstracts

Global single use bioprocessing market is projected to be worth USD 35.1 billion by 2030

According to SPER Market Research, the single use bioprocessing market estimated to reach USD 35.1 billion by 2030 with a CAGR of 16.9%. Prevalence of chronic diseases is rising globally, requiring developments of new and large-scale production of biopharmaceutical products. Single use bioprocessing equipment assist in large scale production of such products at a lower cost.

Impact of COVID-19 on the Single Use Bioprocessing Market

COVID-19 pandemic prompted the discovery and development of vaccines for immunization against coronavirus. Many pharmaceutical and biopharmaceutical companies along with small startup companies have stepped forward into development of vaccines. Once these vaccines pass the clinical trials, they get the approval for marketing their product which requires large scale production. To achieve this, single-use equipment and systems are used. This has impacted the single use bioprocessing market positively.

Scope of the report:

Market size available for years 2019-2030

Base year considered 2021

Forecast period 2022-2030

Segments covered By Product, By Application, By End User

Geographies covered North America, Europe, APAC, Latin America and the Middle East & Africa

Companies Covered ABEC, Inc., Able Corporation & Biott Corporation, Avantor, bbi-biotech GmbH, Cellexus, Celltainer Biotech, CESCO Bioengineering Co. Ltd., Corning, Danaher Corporation, Distek, Inc., Entegris, Eppendorf AG, G&G Technologies, Getinge AB, Kuhner AG, Meissner Filtration Products, Inc., Merck KGaA, OmniBRx Biotechnologies, PBS Biotech, Inc., Pierre Guerin, Sartorius Stedim Biotech S.A., Satake Chemical Equipment Mfg., Ltd., Solida Biotech GmbH, Stobbe Pharma GmbH, Thermo Fisher Scientific

Driver: Rising adoption of biopharmaceutical products

With rising global geriatric population, prevalence and incidence for chronic health conditions will increase. This will create demand for single-use bioprocessing systems for better efficiency, reduced costs and wide range of applications for development and manufacturing of biopharmaceutical products.

Restraints: Contamination risk from leachable

Single use bioprocessing is susceptible to leaching from closures, containers or solvents which can contaminate the end product compromising with the quality and safety. There is lack of regulations for the control of contaminants leaching from single use bioprocessing systems. Such concerns can restraint the growth of this market owing to health-related risks associated with contaminated biopharmaceutical products manufactured via these systems.

Opportunity: Growth potential in emerging economies

Emerging economies such as China, India have a huge potential for growth of single use bioprocessing market. The growth in this region is contributed by favourable government initiatives, increasing geriatric population, increasing investments by private shareholders and presence of highly skilled technicians who can handle the entire bioprocessing stages.

Challenge: Waste material disposal

The single-use bioprocessing provides cost reduction, faster manufacture and low capital investment. However, the amount of waste generated from such equipment is challenging to dispose. The single-use bioprocessor equipment are composed of many layers of plastic which is difficult to separate for disposal. The components are not biodegradable or suitable for recycling which leads to the production of plastic waste.

Single-use Bioprocessing Market by Product:

Based on product, market has been segmented into Single-use media bags and containers, Single-use assemblies, Single-use bioreactors, Disposable mixers, other products.

Single-use Bioprocessing Market by Application:

Based on application, market has been segmented into Filtration, Storage, Cell culture, Mixing, Purification.

Single-use Bioprocessing Market by End User:

Based on end user, the market is segmented into Biopharmaceutical & Pharmaceutical companies, Contract Research Organizations and contract manufacturing organizations (CROs & CMOs), Academic & Research institutes.

Biopharmaceutical & Pharmaceutical companies have the largest share of this market by end user due to rising demand for vaccines, rising installation of single-use bioprocessor and rising investments in single-use bioprocessing by biopharmaceutical and pharmaceutical companies.

Single-use Market by Region:

North America owns the largest share of this market due to factors such as presence of leading players in this region, rising funding for R & D activities and rising trend for investments in single-use bioprocessing.

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