

## **Single-use Technologies for Biopharmaceuticals: Global Markets**

Market Research Report | 2024-11-07 | 207 pages | BCC Research

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### **Report description:**

#### Description

#### Report Scope

This report summarizes the single-use technologies market, including a market snapshot and company profiles of key players. It provides a comprehensive market breakdown with in-depth information regarding each segment. The overview section of the report describes market trends and dynamics, including drivers, challenges and opportunities for the market. It provides information on emerging technologies and developments in the industry. It analyzes critical market players' financials, product portfolios and recent activities.

BCC Research analyzed and made projections of each market and its applications, along with forecasts for the next five years. The report also features profiles of leading companies in the biopharmaceutical single-use technologies industry, including Sartorius AG, Danaher Corp, Merck KGaA and Thermo Fisher Scientific Inc.

The market is segmented by geographical region into North America, Europe, Asia-Pacific and the Rest of the World (RoW).

Regional analysis is further broken down by country as:

- North America: The U.S., Canada and Mexico.
- Europe: Germany, the U.K., France, Italy, Spain and the Rest of Europe.
- Asia-Pacific: China, Japan, India, South Korea, Australia and the Rest of Asia-Pacific.

Data for market estimates have been provided for 2021 and 2022 as the historical years, 2023 as the base year and forecast through 2029.

#### Report Includes

- 220 data tables and 59 additional tables
- An analysis of the global markets for single-use technologies for biopharmaceutical manufacturing
- Analyses of global market trends, with market revenue data from 2021 to 2023, estimates for 2024, and projected CAGRs through 2029
- Estimates of the size and revenue prospects of the global market, along with a market share analysis by technology, single-use

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component, application, end user, and region/country

- A look at recent technical advances in different single-use technologies and bioreactors and the extent of adoption by commercial customers and regulatory authorities
- Facts and figures pertaining to the market dynamics, technical advances, regulations, and the impact of region- and industry-specific macroeconomic variables
- A Porter's Five Forces model, and global supply chain and PESTLE analyses
- Patent activity and key patent grants/publications, along with an analysis of the impact of new developments in single-use technologies and bioreactors for pharmaceuticals
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, ESG score analysis, and the ESG practices of leading companies
- Analysis of the industry structure, including company market shares, strategic alliances, M&A activity and a venture funding outlook
- Profiles of market leaders, including Danaher Corp, Thermo Fisher Scientific Inc., Sartorius AG and Merck KGaA.

## Executive Summary

### Summary:

In 2023, the global market for single-use technologies for biopharmaceuticals was valued at \$5.8 billion. The market is forecast to grow at a compound annual growth rate (CAGR) of 11.6% to reach \$11.2 billion at the end of 2029.

The increasing demand for personalized medicine and the growing number of single-use product launches in bioprocessing operations drive the market's growth. The integration challenges and regulatory validation requirements challenge the market's growth.

This report segments the global market by technology type, component type, application, end user and region. By technology type, single-use bioreactors held the largest market share in 2023, and this segment is expected to grow at a CAGR of 12.3% during the forecast period.

In terms of application, the monoclonal antibodies segment is forecast to grow at a CAGR of 11.3% during the forecast period. This segment accounted for 32.7% of the market in 2023, reaching a value of \$3.6 billion through 2029.

The bioprocess containers segment accounted for 17.6% of the market by component type in 2023. It is expected to grow at a CAGR of 10.1% during the forecast period, reaching a value of \$1.8 billion by the end of 2029.

North America held the largest regional market share with 31.5% in 2023. Increasing research and development (R&D) activities in cell and gene therapies and the significant regional presence of single-use systems companies are responsible for the large share.

Leading companies in the global market include Danaher Corp, Thermo Fisher Scientific Inc., Sartorius AG and Merck KGaA.

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