

Global Biotechnology Equipment Market

Market Research Report | 2025-08-28 | 160 pages | BCC Research

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Report description:

Description

Report Scope

This report highlights the current and future market potential of the global biotechnology equipment market, and its assessment are based on deep, data-focused market analysis. The report provides estimates and forecasts of this market by segmenting it based on equipment type, end user and region. It features market projections through 2030 at the global and regional levels for each market segment.

For this analysis, the biotechnology equipment market was segmented by equipment type into analytical instruments, cell culture instruments, cell separation instruments, immunoassay instruments, clinical chemistry analyzer and other equipment. It was segmented by end user into pharmaceutical and biotechnology companies, hospitals and diagnostic laboratories, academic and research institutions and others. Lastly, it was segmented by geographical region into North America, Europe, Asia-Pacific and the Rest of the World (RoW). The report provides global revenue for the base year 2024 and estimated data for the forecast period 2025 through 2030.

Report Includes

- An in-depth analysis of the global markets for biotechnology equipment
- Analyses of the global market trends, with historic revenue data from 2022 to 2024, estimates for 2025, and projections of CAGRs through 2030
- Estimates of the size and revenue prospects for the global market, along with a market share analysis by equipment type and sub-types, application, end user and region
- Facts and figures pertaining to market dynamics, opportunities and deterrents, technological advances, regulations and the impacts of macroeconomic variables
- Insights derived from Porter's Five Forces model and global supply chain analysis
- Patent analysis, featuring key granted and published patents
- Overview of the sustainability trends and ESG developments in the industry, with emphasis on the ESG practices followed by

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leading companies, their ESG ratings and consumer attitudes

- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook

Executive Summary

Summary:

The global market for biotechnology equipment was valued at \$87.8 billion in 2024 and is estimated to increase from \$95.1 billion in 2025 to reach \$143.9 billion by 2030, at a compound annual growth rate (CAGR) of 8.6% from 2025 through 2030.

A combination of innovative technologies and advances in the life sciences field is driving the market for biotechnology equipment. Specifically, fields such as proteomics, synthetic biology and genomics are creating a need for more accurate and increasingly automated tools that can deliver high throughput. Devices like chromatography systems, bioreactors, cell counters and polymerase chain reaction (PCR) equipment are being developed to support increasingly advanced uses like personalized medicine, molecular diagnostics and drug discovery. The integration of digital technologies like AI, machine learning and IoT is improving predictive maintenance, process optimization and data analysis in labs and biomanufacturing facilities.

Another important trend in this market is the decentralization of biotech research. Equipment that is portable, easy to use and reasonably priced is becoming increasingly in demand as more emerging markets invest in developing their biotech infrastructure.

Manufacturers are adopting greener production methods and designing energy-efficient systems as a result of the growing importance of considering sustainability and environmental impacts. At the same time, regulatory compliance, which forces businesses to build equipment with features that facilitate validation and traceability, continues to be a major factor in this market.

Finally, other factors driving growth in the biotechnology equipment market are the ongoing innovations and the development of next-generation biotech tools resulting from the cooperation between academic institutions, biotech companies and technology suppliers.

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