

Cell Therapy Processing: Global Markets and Technologies

Market Research Report | 2025-10-30 | 125 pages | BCC Research

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Report description:

Description

Report Scope

The report provides an overview of global cell therapy processing and analyzes market trends. It includes global revenue (\$ millions) for the base year data 2024 and estimated data for 2025 with forecasts through 2030. The market is segmented based on offering type, application and regions. By offering, the market is segmented into products, software and services. By application, the market is segmented into cancer, musculoskeletal disorders, neurological disorders, cardiovascular diseases and others. The regions covered in this study are North America, Europe, Asia-Pacific, the Middle East, Africa, and South America, focusing on the major countries in these regions. The North American region includes the U.S., Canada and Mexico. Europe includes Germany, the U.K., Italy, France, Spain and the Rest of Europe; Asia-Pacific includes China, Japan, India, South Korea, and the Rest of Asia-Pacific.

The report focuses on the significant driving trends and challenges that affect the market. It analyzes environmental, social and corporate governance (ESG) developments. It includes an analysis of the competitive landscape and has a dedicated section of company profiles that covers such details as overview, key financials, product portfolio and recent developments of key market players.

Report Includes

- 32 data tables and 58 additional tables
- An overview of the global market and technologies for cell therapy processing
- In-depth analysis of global market trends, featuring historical revenue data for 2022-2024, estimated figures for 2025, as well as forecasts for 2030. This analysis includes projections of compound annual growth rates (CAGRs) through 2030
- Evaluation of the current market size and revenue growth prospects specific to the cell therapy processing, accompanied by a market share analysis by offerings, application and region
- Analysis of current and future demand in the global cell therapy processing market, along with a detailed analysis of the competitive environment, market regulations and reimbursement practices

- Analysis of drivers, challenges and opportunities affecting market growth
- Coverage of evolving technologies, the current and future market potential, R&D activities, growth strategies, new product pipeline, regulatory framework and reimbursement scenarios and ESG trends of the market
- Market share analysis of the key market participants in the cell therapy processing market, along with their research priorities, product portfolios, global rankings and company competitive landscape
- Profiles of the major companies, including Thermo Fisher Scientific Inc., Danaher Corp., Lonza, Miltenyi Biotech and Sartorius AG

Executive Summary

Summary:

The global market for cell therapy processing is estimated to grow from \$2.7 billion in 2025 to reach \$7.1 billion by 2030, at a compound annual growth rate (CAGR) 21.4% from 2025 to 2030.

According to the American Society of Gene and Cell Therapy (ASGCT), cell therapy is a therapeutic approach in which patients are given either normal or altered cells to treat illnesses. In this treatment, patients receive injections of intact, living human cells that are thought to have therapeutic potential.

The foundation of cell treatments is the idea that cells can be genetically reprogrammed to fight various illnesses, either by using the patient's own cells (autologous) or cells from a healthy donor (allogeneic). These treatments, such as small-molecule medications, have become strong substitutes for conventional therapy. It is important to note that there have been numerous advances in this field over the last few decades, especially in the production process for cell therapy.

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Growing Demand for Regenerative Medicine
Increasing Investments in Cell and Gene Therapy (CGT) Research
Expanding Clinical and Commercial Activities
Growing Number of Strategic Initiatives
Rising Aging Population and the Increasing Prevalence of Chronic Diseases
Market Restraints
Complex Manufacturing and Supply Chain
High Cost of Development
Lack of Skilled Workforce
Regulatory Hurdles
Market Opportunities
Decentralized Manufacturing
Shift Toward Allogeneic Therapies

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Europe
Asia-Pacific

Chapter 5 Emerging Technologies and Developments

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First-Generation Automated Platforms
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Services
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Market Analysis by Application
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Musculoskeletal Disorders (Bone and Skeletal Muscle Repair)
Neurological Disorders
Cardiovascular Disorders
Others
Geographic Breakdown
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Key Takeaways
North America
Europe
Asia-Pacific
Rest of the World

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Key Takeaways

Competitive Analysis

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Acquisitions

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Introduction to ESG

Sustainability in the Cell Therapy Processing Industry

Environmental Factors

Social Factors

Governance Factors

ESG Sustainability Trends and Initiatives

Environmental Performance

Social Performance

Governance Performance

ESG Risk Ratings

Concluding Remarks

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Research Methodology

Information Sources

Abbreviations

Company Profiles

BIO-TECHNE

BIOSPHERIX LLC.

CYTIVA

FRESENIUS KABI AG

FUJIFILM BIOSCIENCES

LONZA

MERCK KGAA

MILTENYI BIOTEC

PROTEINTECH GROUP INC.

REVVITY

SARTORIUS AG

STEMCELL TECHNOLOGIES

TERUMO CORP.

THERMO FISHER SCIENTIFIC INC.

THERMOGENESIS

Emerging Start-ups/Market Disruptors

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