

Cell Therapy Technologies Market Size, Share & Trends Analysis Report By Product (Raw Materials, Instruments), By Workflow (Separation, Expansion), By Cell Type (T-cells, Stem Cells), By End Use, By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/C06BD6885919EN.html>

Date: February 2025

Pages: 120

Price: US\$ 5,950.00 (Single User License)

ID: C06BD6885919EN

Abstracts

This report can be delivered to the clients within 2 Business Days

Cell Therapy Technologies Market Growth & Trends

The global cell therapy technologies market size is anticipated to reach USD 17.46 billion by 2030, registering a CAGR of 17.84% from 2025 to 2030, according to a new report by Grand View Research, Inc. The market is driven by rising demand for advanced treatments, especially in cancer, autoimmune diseases, and regenerative medicine. Automation, bioprocessing innovations, increasing R&D investments, and supportive regulations fuel growth. Companies are expanding manufacturing capabilities and partnerships to improve efficiency, scalability, and product development, which is further anticipated to fuel the demand for cell therapy technologies.

The COVID-19 pandemic accelerated the cell therapy technologies market by increasing R&D investments, clinical trials, and demand for advanced therapies. It highlighted the need for automation, efficient manufacturing, and scalable production in regenerative medicine and immune-based treatments, driving innovation and industry growth. These factors have impelled the growth of the market and are anticipated to propel exponentially over the forecast period.

The growing adoption of advanced cell therapies, including CAR-T, TCR-T, and stem cell treatments, is expected to drive further demand for cell therapy technologies. Innovations in gene editing, automation, and bioprocessing are enhancing efficiency, scalability, and production quality. As more personalized and regenerative treatments

gain approval, the need for specialized equipment, raw materials, and manufacturing solutions will continue to rise. These factors are thus projected to impel the market's growth over the forecast period.

The high cost of cell therapy technologies could slow market growth in the coming years. Expensive raw materials, complex manufacturing, and strict regulations make production costly. Companies also need specialized equipment, skilled workers, and advanced technology, adding to expenses. Limited insurance coverage and pricing challenges may further restrict adoption. Reducing costs through better processes, automation, and scaling up production will be key for future growth.

Cell Therapy Technologies Market Report Highlights

Based on products, the consumables segment held the largest market share of 42.70% in 2024 due to their wide use in cell culture, expansion, and processing. The recurring demand for reagents, growth factors, and media in research, clinical trials, and commercial production has driven significant growth. On the other hand, software is expected to grow at the fastest CAGR over the forecast period

Based on workflow, the separation segment is expected to lead the market and grow at the fastest CAGR (2025-2030) due to increasing demand for automated, efficient cell isolation techniques in therapy development and manufacturing. The expansion segment is expected to grow significantly over the forecast period

Based on cell-type, the T-cells segment is expected to dominate the market and grow at the fastest CAGR (2025-2030) due to increasing adoption of CAR-T and TCR-T therapies for cancer, autoimmune diseases, and infectious diseases, along with advancements in gene editing and cell expansion technologies. The stem cells segment is expected to grow significantly over the forecast period.

Based on end use, the biopharmaceutical & pharmaceutical companies segment dominated the market in 2024 due to increasing investments in cell therapy R&D, growing demand for advanced treatments, and expanding commercial

manufacturing capabilities for cancer, autoimmune, and regenerative therapies. On the other hand, CMOs & CROs are expected to grow at the fastest CAGR over the forecast period

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Market Definitions
 - 1.2.1. Product
 - 1.2.2. Workflow
 - 1.2.3. Cell Type
 - 1.2.4. End Use
- 1.3. Information analysis
- 1.4. Market formulation & data visualization
- 1.5. Data validation & publishing
- 1.6. Information Procurement
 - 1.6.1. Primary Research
- 1.7. Information or Data Analysis
- 1.8. Market Formulation & Validation
- 1.9. Market Model
- 1.10. Objectives

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Snapshot
- 2.3. Competitive Landscape Snapshot

CHAPTER 3. CELL THERAPY TECHNOLOGIES MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
 - 3.1.1. Parent market outlook
 - 3.1.2. Related/ancillary market outlook.
- 3.2. Market Dynamics
 - 3.2.1. Market driver analysis
 - 3.2.1.1. Advancements in Cell-Based Therapies
 - 3.2.1.2. Increased Funding and Investment
 - 3.2.2. Market restraint analysis
 - 3.2.2.1. High Costs and Manufacturing Challenges
- 3.3. Cell Therapy Technologies Market Analysis Tools

- 3.3.1. Industry Analysis - Porter's
- 3.3.2. PESTEL Analysis
- 3.3.3. COVID-19 Impact Analysis

CHAPTER 4. CELL THERAPY TECHNOLOGIES MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1. Segment Dashboard
- 4.2. Global Cell Therapy Technologies Market Product Movement Analysis
- 4.3. Global Cell Therapy Technologies Market Size & Trend Analysis, by Product, 2018 to 2030 (USD Million)
- 4.4. Raw Materials
 - 4.4.1. Raw materials market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.4.2. Media
 - 4.4.2.1. Media market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.4.3. Sera
 - 4.4.3.1. Sera market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.4.4. Cell Culture Supplements
 - 4.4.4.1. Cell Culture Supplements market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.4.5. Antibodies
 - 4.4.5.1. Antibodies market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.4.6. Reagents & Buffers
 - 4.4.6.1. Reagents & buffers market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.4.7. Others
 - 4.4.7.1. Others market estimates and forecasts 2018 to 2030 (USD Million)
- 4.5. Instruments
 - 4.5.1. Instruments market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.5.2. Cell Therapy Processing Systems
 - 4.5.2.1. Cell therapy processing systems market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.5.3. Cell Culture Systems
 - 4.5.3.1. Cell culture systems market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.5.4. Cell Sorting & Separation Systems
 - 4.5.4.1. Cell sorting & separation systems market estimates and forecasts 2018 to 2030 (USD Million)
 - 4.5.5. Other Instruments

4.5.5.1. Other instruments market estimates and forecasts 2018 to 2030 (USD Million)

4.5.6. Software

4.5.6.1. Software market estimates and forecasts 2018 to 2030 (USD Million)

4.5.7. Consumables & Accessories

4.5.7.1. Consumables & accessories market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 5. CELL THERAPY TECHNOLOGIES MARKET: WORKFLOW ESTIMATES & TREND ANALYSIS

5.1. Segment Dashboard

5.2. Global Cell Therapy Technologies Market Dosage Workflow Movement Analysis

5.3. Global Cell Therapy Technologies Market Size & Trend Analysis, by Workflow, 2018 to 2030 (USD Million)

5.4. Separation

5.4.1. Separation market estimates and forecasts 2018 to 2030 (USD Million)

5.5. Expansion

5.5.1. Expansion market estimates and forecasts 2018 to 2030 (USD Million)

5.6. Apheresis

5.6.1. Apheresis market estimates and forecasts 2018 to 2030 (USD Million)

5.7. Fill- Finish

5.7.1. Fill- finish market estimates and forecasts 2018 to 2030 (USD Million)

5.8. Cryopreservation

5.8.1. Cryopreservation market estimates and forecasts 2018 to 2030 (USD Million)

5.9. Others

5.9.1. Others market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 6. CELL THERAPY TECHNOLOGIES MARKET: CELL TYPE ESTIMATES & TREND ANALYSIS

6.1. Segment Dashboard

6.2. Global Cell Therapy Technologies Market Cell Type Movement Analysis

6.3. Global Cell Therapy Technologies Market Size & Trend Analysis, by Cell Type, 2018 to 2030 (USD Million)

6.4. T-cells

6.4.1. T-cells market estimates and forecasts 2018 to 2030 (USD Million)

6.5. Stem Cells

6.5.1. Stem cells market estimates and forecasts 2018 to 2030 (USD Million)

6.6. Other Cells

6.6.1. Other cells market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 7. CELL THERAPY TECHNOLOGIES MARKET: END USE ESTIMATES & TREND ANALYSIS

7.1. Segment Dashboard

7.2. Global Cell Therapy Technologies Market End Use Movement Analysis

7.3. Global Cell Therapy Technologies Market Size & Trend Analysis, by End Use, 2018 to 2030 (USD Million)

7.4. Biopharmaceutical & Biotechnology Companies

7.4.1. Biopharmaceutical & biotechnology companies market estimates and forecasts 2018 to 2030 (USD Million)

7.5. CMOs & CROs

7.5.1. CMOs & CROs market estimates and forecasts 2018 to 2030 (USD Million)

7.6. Others

7.6.1. Others market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 8. CELL THERAPY TECHNOLOGIES MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

8.1. Regional Market Share Analysis, 2024 & 2030

8.2. Regional Market Dashboard

8.3. Market Size & Forecasts Trend Analysis, 2018 to 2030:

8.4. North America

8.4.1. North America market estimates and forecasts 2018 to 2030 (USD Million)

8.4.2. U.S.

8.4.2.1. Key country dynamics

8.4.2.2. Regulatory framework

8.4.2.3. Competitive scenario

8.4.2.4. U.S. market estimates and forecasts 2018 to 2030 (USD Million)

8.4.3. Canada

8.4.3.1. Key country dynamics

8.4.3.2. Regulatory framework

8.4.3.3. Competitive scenario

8.4.3.4. Canada market estimates and forecasts 2018 to 2030 (USD Million)

8.4.4. Mexico

8.4.4.1. Key country dynamics

8.4.4.2. Regulatory framework

8.4.4.3. Competitive scenario

8.4.4.4. Mexico market estimates and forecasts 2018 to 2030 (USD Million)

8.5. Europe

8.5.1. Europe market estimates and forecasts 2018 to 2030 (USD Million)

8.5.2. UK

8.5.2.1. Key country dynamics

8.5.2.2. Regulatory framework

8.5.2.3. Competitive scenario

8.5.2.4. UK market estimates and forecasts 2018 to 2030 (USD Million)

8.5.3. Germany

8.5.3.1. Key country dynamics

8.5.3.2. Regulatory framework

8.5.3.3. Competitive scenario

8.5.3.4. Germany market estimates and forecasts 2018 to 2030 (USD Million)

8.5.4. France

8.5.4.1. Key country dynamics

8.5.4.2. Regulatory framework

8.5.4.3. Competitive scenario

8.5.4.4. France market estimates and forecasts 2018 to 2030 (USD Million)

8.5.5. Italy

8.5.5.1. Key country dynamics

8.5.5.2. Regulatory framework

8.5.5.3. Competitive scenario

8.5.5.4. Italy market estimates and forecasts 2018 to 2030 (USD Million)

8.5.6. Spain

8.5.6.1. Key country dynamics

8.5.6.2. Regulatory framework

8.5.6.3. Competitive scenario

8.5.6.4. Spain market estimates and forecasts 2018 to 2030 (USD Million)

8.5.7. Norway

8.5.7.1. Key country dynamics

8.5.7.2. Regulatory framework

8.5.7.3. Competitive scenario

8.5.7.4. Norway market estimates and forecasts 2018 to 2030 (USD Million)

8.5.8. Sweden

8.5.8.1. Key country dynamics

8.5.8.2. Regulatory framework

8.5.8.3. Competitive scenario

8.5.8.4. Sweden market estimates and forecasts 2018 to 2030 (USD Million)

8.5.9. Denmark

8.5.9.1. Key country dynamics

8.5.9.2. Regulatory framework

8.5.9.3. Competitive scenario

8.5.9.4. Denmark market estimates and forecasts 2018 to 2030 (USD Million)

8.6. Asia Pacific

8.6.1. Asia Pacific market estimates and forecasts 2018 to 2030 (USD Million)

8.6.2. Japan

8.6.2.1. Key country dynamics

8.6.2.2. Regulatory framework

8.6.2.3. Competitive scenario

8.6.2.4. Japan market estimates and forecasts 2018 to 2030 (USD Million)

8.6.3. China

8.6.3.1. Key country dynamics

8.6.3.2. Regulatory framework

8.6.3.3. Competitive scenario

8.6.3.4. China market estimates and forecasts 2018 to 2030 (USD Million)

8.6.4. India

8.6.4.1. Key country dynamics

8.6.4.2. Regulatory framework

8.6.4.3. Competitive scenario

8.6.4.4. India market estimates and forecasts 2018 to 2030 (USD Million)

8.6.5. Australia

8.6.5.1. Key country dynamics

8.6.5.2. Regulatory framework

8.6.5.3. Competitive scenario

8.6.5.4. Australia market estimates and forecasts 2018 to 2030 (USD Million)

8.6.6. South Korea

8.6.6.1. Key country dynamics

8.6.6.2. Regulatory framework

8.6.6.3. Competitive scenario

8.6.6.4. South Korea market estimates and forecasts 2018 to 2030 (USD Million)

8.6.7. Thailand

8.6.7.1. Key country dynamics

8.6.7.2. Regulatory framework

8.6.7.3. Competitive scenario

8.6.7.4. Thailand market estimates and forecasts 2018 to 2030 (USD Million)

8.7. Latin America

8.7.1. Latin America market estimates and forecasts 2018 to 2030 (USD Million)

8.7.2. Brazil

8.7.2.1. Key country dynamics

8.7.2.2. Regulatory framework

8.7.2.3. Competitive scenario

8.7.2.4. Brazil market estimates and forecasts 2018 to 2030 (USD Million)

8.7.3. Argentina

8.7.3.1. Key country dynamics

8.7.3.2. Regulatory framework

8.7.3.3. Competitive scenario

8.7.3.4. Argentina market estimates and forecasts 2018 to 2030 (USD Million)

8.8. MEA

8.8.1. MEA market estimates and forecasts 2018 to 2030 (USD Million)

8.8.2. South Africa

8.8.2.1. Key country dynamics

8.8.2.2. Regulatory framework

8.8.2.3. Competitive scenario

8.8.2.4. South Africa market estimates and forecasts 2018 to 2030 (USD Million)

8.8.3. Saudi Arabia

8.8.3.1. Key country dynamics

8.8.3.2. Regulatory framework

8.8.3.3. Competitive scenario

8.8.3.4. Saudi Arabia market estimates and forecasts 2018 to 2030 (USD Million)

8.8.4. UAE

8.8.4.1. Key country dynamics

8.8.4.2. Regulatory framework

8.8.4.3. Competitive scenario

8.8.4.4. UAE market estimates and forecasts 2018 to 2030 (USD Million)

8.8.5. Kuwait

8.8.5.1. Key country dynamics

8.8.5.2. Regulatory framework

8.8.5.3. Competitive scenario

8.8.5.4. Kuwait market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 9. COMPETITIVE LANDSCAPE

9.1. Company/Competition Categorization

9.2. Strategy Mapping

9.3. Company Market Position Analysis, 2024

9.4. Company Profiles/Listing

- 9.4.1. Danaher Corporation
 - 9.4.1.1. Company overview
 - 9.4.1.2. Financial performance
 - 9.4.1.3. Product benchmarking
 - 9.4.1.4. Strategic initiatives
- 9.4.2. Merck KGaA
 - 9.4.2.1. Company overview
 - 9.4.2.2. Financial performance
 - 9.4.2.3. Product benchmarking
 - 9.4.2.4. Strategic initiatives
- 9.4.3. Thermo Fisher Scientific Inc.
 - 9.4.3.1. Company overview
 - 9.4.3.2. Financial performance
 - 9.4.3.3. Product benchmarking
 - 9.4.3.4. Strategic initiatives
- 9.4.4. Lonza Group
 - 9.4.4.1. Company overview
 - 9.4.4.2. Financial performance
 - 9.4.4.3. Product benchmarking
 - 9.4.4.4. Strategic initiatives
- 9.4.5. Sartorius AG
 - 9.4.5.1. Company overview
 - 9.4.5.2. Financial performance
 - 9.4.5.3. Product benchmarking
 - 9.4.5.4. Strategic initiatives
- 9.4.6. Promega
 - 9.4.6.1. Company overview
 - 9.4.6.2. Financial performance
 - 9.4.6.3. Product benchmarking
 - 9.4.6.4. Strategic initiatives
- 9.4.7. BD
 - 9.4.7.1. Company overview
 - 9.4.7.2. Financial performance
 - 9.4.7.3. Product benchmarking
 - 9.4.7.4. Strategic initiatives
- 9.4.8. Miltenyi Biotec
 - 9.4.8.1. Company overview
 - 9.4.8.2. Financial performance
 - 9.4.8.3. Product benchmarking

9.4.8.4. Strategic initiatives

9.4.9. CellPort Software

9.4.9.1. Company overview

9.4.9.2. Financial performance

9.4.9.3. Product benchmarking

9.4.9.4. Strategic initiatives

9.4.10. Shimadzu

9.4.10.1. Company overview

9.4.10.2. Financial performance

9.4.10.3. Product benchmarking

9.4.10.4. Strategic initiatives

I would like to order

Product name: Cell Therapy Technologies Market Size, Share & Trends Analysis Report By Product (Raw Materials, Instruments), By Workflow (Separation, Expansion), By Cell Type (T-cells, Stem Cells), By End Use, By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/C06BD6885919EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C06BD6885919EN.html>