

# Japan Cell Therapy Market - 2025-2033

<https://marketpublishers.com/r/J8BA37F43411EN.html>

Date: May 2025

Pages: 180

Price: US\$ 3,175.00 (Single User License)

ID: J8BA37F43411EN

## Abstracts

### Japan Cell Therapy Market: Industry Outlook

The Japan cell therapy market reached US\$ 416.83 Million in 2024 and is expected to reach US\$ 1,632.99 Million by 2033, growing at a CAGR of 16.5% during the forecast period 2025-2033.

The Japan cell therapy market stands out as a hub of innovation, supported by proactive government policies, streamlined regulatory pathways, and a robust academic research environment. Japan's global leadership in induced pluripotent stem cell (iPSC) research—spearheaded by institutions like Kyoto University's CiRA and RIKEN—continues to accelerate advancements in regenerative medicine. In 2025, the market growth is being fueled by the country's rapidly aging population and rising burden of chronic and degenerative diseases such as Parkinson's, heart failure, and certain cancers. Additionally, there's increasing demand for personalized, cell-based therapies targeting oncology, neurology, and rare genetic disorders. Favorable regulatory initiatives like the Sakigake fast-track system are also enabling quicker approval and commercialization of novel therapies.

### Japan Cell Therapy Market: Market Dynamics: Drivers & Restraints

#### Driver: Rise in the Prevalence of Cancers in Japan

The increasing cancer prevalence in Japan is driving the growth of the country's cell therapy market. Conventional treatments like chemotherapy and radiation have limitations, leading to a demand for personalized, targeted approaches. Cell therapies, particularly CAR-T and T-cell-based immunotherapies, harness the body's immune system to combat cancer. This has accelerated research, clinical trials, and regulatory support, making oncology a central focus for innovation and investment in Japan's cell

therapy landscape.

For instance, Japan's cancer prevalence is projected to rise by 13.1% by 2050, primarily due to a 13.6% increase in female survivors. From 2040 onwards, females will overtake males in prevalence counts. The most prevalent cancer sites in 2050 are colorectal, female breast, prostate, lung, and stomach cancers, accounting for 66.4% of survivors. Males are expected to experience the highest absolute increases in prostate, lung, and malignant lymphoma cancers, while females are expected to experience the highest absolute increases in breast, colorectal, and corpus uteri cancers.

Hence, the rising cancer prevalence in Japan, particularly among females, will drive demand for innovative treatments like cell therapy. The dominance of breast, colorectal, and prostate cancers aligns with current targets of cell-based immunotherapies. From 2040, gender-focused cell therapy development is possible, and high survivor rates indicate a growing market for long-term, less invasive treatments.

#### Restraint: Dearth of Skilled Professionals

The cell therapy market in Japan faces a significant challenge due to a lack of skilled professionals. Despite Japan's strong academic infrastructure, there is a shortage of trained personnel capable of handling complex cell culture techniques, Good Manufacturing Practice compliance, and large-scale manufacturing processes. This talent gap hinders product development, delays clinical trial execution, and limits therapy scalability, affecting the market's ability to meet growing domestic and global demand.

#### Japan Cell Therapy Market: Segment Analysis

The Japan cell therapy market is segmented based on therapy type, cell type, source, application, and end user.

##### Therapy Type:

The autologous cell therapy from therapy type segment is expected to dominate the Japan cell therapy market with the market share of 54.55%

Autologous cell therapy is a treatment method where a patient's own cells are collected, modified, or expanded, and reintroduced into their body to treat diseases. This method reduces immune rejection risk and is widely used in Japan for regenerative medicine,

oncology, and orthopedics, enhancing patient outcomes.

Japan's increasing demand for personalized, minimally invasive treatments is driving the growth of autologous cell therapy. The country's regulatory framework supports accelerated approval pathways for regenerative therapies, favoring autologous approaches due to lower immunogenic risk and ethical acceptability. The aging population and rising degenerative diseases like osteoarthritis and cardiovascular disorders make autologous therapies promising. The integration of advanced cell-processing technologies and hospital-based programs further enhances accessibility and growth.

For instance, in September 2024, Biostar Stem Cell Research Institute's affiliate hospital, Shinjuku Clinic, has been approved for Japanese post-production of a regenerative medical technology to treat Alzheimer's. The technology involves administering autologous fat-derived stem cells cultured with patented technology into the spinal cavity and intravenously.

#### Japan Cell Therapy Market: Competitive Landscape

The Japan cell therapy market features a strong mix of established pharmaceutical firms, innovative biotech startups, and renowned research institutions. Key players include Fujifilm Cellular Dynamics, Healios K.K., JCR Pharmaceuticals, RIKEN, Takara Bio, Nipro Corporation, Medinet Ltd., and CellSeed Inc. These companies are actively advancing regenerative medicine through iPSC-based research, immuno-cell therapies, and cell processing technologies.

Backed by Japan's supportive regulatory environment and substantial R&D investment, these firms are driving commercialization of cutting-edge cell therapies across oncology, neurology, and rare disease areas, helping position Japan as a global leader in cell-based innovation.

## Contents

### 1. MARKET INTRODUCTION AND SCOPE

- 1.1. Objectives of the Report
- 1.2. Report Coverage & Definitions
- 1.3. Report Scope

### 2. EXECUTIVE INSIGHTS AND KEY TAKEAWAYS

- 2.1. Market Highlights and Strategic Takeaways
- 2.2. Key Trends and Future Projections
- 2.3. Snippet by Therapy Type
- 2.4. Snippet by Cell Type
- 2.5. Snippet by Source
- 2.6. Snippet by Application
- 2.7. Snippet by End User

### 3. DYNAMICS

- 3.1. Impacting Factors
  - 3.1.1. Drivers
    - 3.1.1.1. Rise in the Prevalence of Cancers in Japan
    - 3.1.1.2. Strong Government Support for Regenerative Medicine
    - 3.1.1.3. XX
  - 3.1.2. Restraints
    - 3.1.2.1. Dearth of Skilled Professionals
    - 3.1.2.2. Complex Regulatory and Manufacturing Requirements
    - 3.1.2.3. XX
  - 3.1.3. Opportunity
    - 3.1.3.1. Increasing Clinical Trials in Oncology and CNS Disorders
    - 3.1.3.2. XX
  - 3.1.4. Impact Analysis

### 4. STRATEGIC INSIGHTS AND INDUSTRY OUTLOOK

- 4.1. Market Leaders and Pioneers
  - 4.1.1. Emerging Pioneers and Prominent Players
  - 4.1.2. Established leaders with largest selling Brand

- 4.1.3. Market leaders with established Product
- 4.2. CXO Perspectives
- 4.3. Latest Developments and Breakthroughs
- 4.4. Case Studies/Ongoing Research
- 4.5. Porter's Five Force Analysis
- 4.6. Supply Chain Analysis
- 4.7. Patent Analysis
- 4.8. SWOT Analysis
- 4.9. Unmet Needs and Gaps
- 4.10. Recommended Strategies for Market Entry and Expansion
- 4.11. Scenario Analysis: Best-Case, Base-Case, and Worst-Case Forecasts
- 4.12. Pricing Analysis and Price Dynamics
- 4.13. Key Opinion Leaders

## **5. BY THERAPY TYPE**

- 5.1. Introduction
  - 5.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Therapy Type
  - 5.1.2. Market Attractiveness Index, By Therapy Type
- 5.2. Autologous Cell Therapy\*
  - 5.2.1. Introduction
  - 5.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
- 5.3. Allogeneic Cell Therapy

## **6. BY CELL TYPE**

- 6.1. Introduction
  - 6.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Cell Type
  - 6.1.2. Market Attractiveness Index, By Cell Type
- 6.2. Stem Cells\*
  - 6.2.1. Introduction
  - 6.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)
  - 6.2.3. Hematopoietic Stem Cells (HSCs)
  - 6.2.4. Mesenchymal Stem Cells (MSCs)
  - 6.2.5. Induced Pluripotent Stem Cells (iPSCs)
- 6.3. Non-stem Cells
  - 6.3.1. T-cells (including CAR-T)
  - 6.3.2. Dendritic cells
  - 6.3.3. NK (Natural Killer) cells

## **7. BY SOURCE**

### 7.1. Introduction

#### 7.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Source

#### 7.1.2. Market Attractiveness Index, By Source

### 7.2. Bone Marrow\*

#### 7.2.1. Introduction

#### 7.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

### 7.3. Umbilical Cord Blood

### 7.4. Adipose Tissue

### 7.5. Peripheral Blood

### 7.6. Others

## **8. BY APPLICATION**

### 8.1. Introduction

#### 8.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By Application

#### 8.1.2. Market Attractiveness Index, By Application

### 8.2. Oncology\*

#### 8.2.1. Introduction

#### 8.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

### 8.3. Cardiovascular Diseases

### 8.4. Neurological Disorders

### 8.5. Musculoskeletal Disorders

### 8.6. Autoimmune Diseases

### 8.7. Wound Healing

### 8.8. Others

## **9. BY END USER**

### 9.1. Introduction

#### 9.1.1. Market Size Analysis and Y-o-Y Growth Analysis (%), By End User

#### 9.1.2. Market Attractiveness Index, By End User

### 9.2. Hospitals & Clinics\*

#### 9.2.1. Introduction

#### 9.2.2. Market Size Analysis and Y-o-Y Growth Analysis (%)

### 9.3. Academic & Research Institutes

### 9.4. Biopharmaceutical and Biotechnology Companies

## **10. COMPETITIVE LANDSCAPE AND MARKET POSITIONING**

- 10.1. Competitive Overview and Key Market Players
- 10.2. Market Share Analysis and Positioning Matrix
- 10.3. Strategic Partnerships, Mergers & Acquisitions
- 10.4. Key Developments in Product Portfolios and Innovations
- 10.5. Company Benchmarking

## **11. COMPANY PROFILES**

- 11.1. Fujifilm Cellular Dynamics, Inc\*
    - 11.1.1. Company Overview
    - 11.1.2. Product Portfolio
      - 11.1.2.1. Product Description
      - 11.1.2.2. Product Key Performance Indicators (KPIs)
      - 11.1.2.3. Historic and Forecasted Product Sales
      - 11.1.2.4. Product Sales Volume
    - 11.1.3. Financial Overview
      - 11.1.3.1. Company Revenue
      - 11.1.3.2. Geographical Revenue Shares
      - 11.1.3.3. Revenue Forecasts
    - 11.1.4. Key Developments
      - 11.1.4.1. Mergers & Acquisitions
      - 11.1.4.2. Key Product Development Activities
      - 11.1.4.3. Regulatory Approvals, etc.
    - 11.1.5. SWOT Analysis
  - 11.2. Healios K.K.
  - 11.3. JCR Pharmaceuticals Co. Ltd.
  - 11.4. RIKEN
  - 11.5. Takara Bio Inc
  - 11.6. Nipro Corporation
  - 11.7. Medinet Ltd.
  - 11.8. CellSeed Inc.
- LIST NOT EXHAUSTIVE

## **12. ASSUMPTIONS AND RESEARCH METHODOLOGY**

- 12.1. Data Collection Methods

12.2. Data Triangulation

12.3. Forecasting Techniques

12.4. Data Verification and Validation

## **13. APPENDIX**

13.1. About Us and Services

13.2. Contact Us

## List Of Tables

### LIST OF TABLES

Table 1 Japan Cell Therapy Market Value, By Therapy Type, 2025, 2029 & 2033 (US\$ Million)

Table 2 Japan Cell Therapy Market Value, By Cell Type, 2025, 2029 & 2033 (US\$ Million)

Table 3 Japan Cell Therapy Market Value, By Source, 2025, 2029 & 2033 (US\$ Million)

Table 4 Japan Cell Therapy Market Value, By Source, 2025, 2029 & 2033 (US\$ Million)

Table 5 Japan Cell Therapy Market Value, By End User, 2025, 2029 & 2033 (US\$ Million)

Table 6 Japan Cell Therapy Market Value, By Therapy Type, 2025, 2029 & 2033 (US\$ Million)

Table 7 Japan Cell Therapy Market Value, By Therapy Type, 2022-2033 (US\$ Million)

Table 8 Japan Cell Therapy Market Value, By Cell Type, 2025, 2029 & 2033 (US\$ Million)

Table 9 Japan Cell Therapy Market Value, By Cell Type, 2022-2033 (US\$ Million)

Table 10 Japan Cell Therapy Market Value, By Source, 2025, 2029 & 2033 (US\$ Million)

Table 11 Japan Cell Therapy Market Value, By Source, 2022-2033 (US\$ Million)

Table 12 Japan Cell Therapy Market Value, By Source, 2025, 2029 & 2033 (US\$ Million)

Table 13 Japan Cell Therapy Market Value, By Source, 2022-2033 (US\$ Million)

Table 14 Japan Cell Therapy Market Value, By End User, 2025, 2029 & 2033 (US\$ Million)

Table 15 Japan Cell Therapy Market Value, By End User, 2022-2033 (US\$ Million)

Table 16 Fujifilm Cellular Dynamics, Inc: Overview

Table 17 Fujifilm Cellular Dynamics, Inc: Product Portfolio

Table 18 Fujifilm Cellular Dynamics, Inc: Key Developments

Table 19 Healios K.K.: Overview

Table 20 Healios K.K.: Product Portfolio

Table 21: Healios K.K.: Key Developments

Table 22 JCR Pharmaceuticals Co. Ltd.: Overview

Table 23 JCR Pharmaceuticals Co. Ltd.: Product Portfolio

Table 24 JCR Pharmaceuticals Co. Ltd.: Key Developments

Table 25 RIKEN: Overview

Table 26 RIKEN: Product Portfolio

Table 27 RIKEN: Key Developments

Table 28 Takara Bio Inc: Overview  
Table 29 Takara Bio Inc: Product Portfolio  
Table 30 Takara Bio Inc: Key Developments  
Table 31 Nipro Corporation: Overview  
Table 32 Nipro Corporation: Product Portfolio  
Table 33 Nipro Corporation: Key Developments  
Table 34 Medinet Ltd.: Overview  
Table 35 Medinet Ltd.: Product Portfolio  
Table 36 Medinet Ltd.: Key Developments  
Table 37 CellSeed Inc.: Overview  
Table 38 CellSeed Inc.: Product Portfolio  
Table 39 CellSeed Inc.: Key Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1 Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 2 Japan Cell Therapy Market Share, By Therapy Type, 2024 & 2033 (%)
- Figure 3 Japan Cell Therapy Market Share, By Cell Type, 2024 & 2033 (%)
- Figure 4 Japan Cell Therapy Market Share, By Source, 2024 & 2033 (%)
- Figure 5 Japan Cell Therapy Market Share, By Source, 2024 & 2033 (%)
- Figure 6 Japan Cell Therapy Market Share, By End User, 2024 & 2033 (%)
- Figure 7 Japan Cell Therapy Market Y-o-Y Growth, By Therapy Type, 2023-2033 (%)
- Figure 8 Autologous Cell Therapy Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 9 Allogeneic Cell Therapy Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 10 Japan Cell Therapy Market Y-o-Y Growth, By Cell Type, 2023-2033 (%)
- Figure 11 Stem Cells Cell Type in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 12 Non-stem Cells Cell Type in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 13 Japan Cell Therapy Market Y-o-Y Growth, By Source, 2023-2033 (%)
- Figure 14 Bone Marrow Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 15: Umbilical Cord Blood Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 16 Adipose Tissue Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 17 Peripheral Blood Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 18: Other Sources in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 19 Japan Cell Therapy Market Y-o-Y Growth, By Source, 2023-2033 (%)
- Figure 20 Oncology Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 21 Cardiovascular Diseases Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 22 Neurological Disorders Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 23 Musculoskeletal Disorders Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)
- Figure 24 Autoimmune Diseases Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)

Figure 25 Wound Healing Source in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)

Figure 26 Other Sources in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)

Figure 27 Japan Cell Therapy Market Y-o-Y Growth, By End User, 2023-2033 (%)

Figure 28 Hospitals & Clinics End User in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)

Figure 29 Academic & Research Institutes End User in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)

Figure 30 Biopharmaceutical and Biotechnology Companies End User in Japan Cell Therapy Market Value, 2022-2033 (US\$ Million)

Figure 31 Fujifilm Cellular Dynamics, Inc: Financials

Figure 32 Healios K.K.: Financials

Figure 33 JCR Pharmaceuticals Co. Ltd.: Financials

Figure 34 RIKEN: Financials

Figure 35: Takara Bio Inc: Financials

Figure 36 Nipro Corporation: Financials

Figure 37 Medinet Ltd.: Financials

Figure 38 CellSeed Inc.: Financials

## I would like to order

Product name: Japan Cell Therapy Market - 2025-2033

Product link: <https://marketpublishers.com/r/J8BA37F43411EN.html>

Price: US\$ 3,175.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/J8BA37F43411EN.html>