

South Korea Cell Therapy Market Size, Share, Trends and Forecast by Cell Type, Therapy Type, Therapeutic Area, End User, and Region, 2026-2034

<https://marketpublishers.com/r/S0DE200A9046EN.html>

Date: July 2026

Pages: 116

Price: US\$ 2,999.00 (Single User License)

ID: S0DE200A9046EN

Abstracts

The South Korea cell therapy market size reached USD 342.2 Million in 2025. Looking forward, the market is expected to reach USD 1,184.1 Million by 2034, exhibiting a growth rate (CAGR) of 14.35 % during 2026-2034. The market is driven by increasing government support for regenerative medicine, rising prevalence of chronic diseases, and strong R&D investments. Expansion of cell manufacturing infrastructure and growing clinical trial activity further influence South Korea cell therapy market share.

SOUTH KOREA CELL THERAPY MARKET TRENDS:

Accelerating Clinical Trials and Regulatory Support

South Korea has streamlined regulatory pathways for cell therapy, enabling faster clinical trial approvals and market entry. National initiatives provide funding for regenerative medicine research, supporting both academic institutions and private enterprises. Public-private collaborations have enabled the expansion of trial sites and the acceleration of phase II and III trials targeting oncology, autoimmune, and neurodegenerative diseases. These initiatives facilitate access to novel therapies and attract global partnerships. As the ecosystem matures, the availability of patient populations and well-established clinical infrastructure further attract international investments. This strengthened regulatory and trial landscape underpins South Korea cell therapy market growth. For instance, in June 2025, South Korean researchers at KAIST have pioneered a groundbreaking, non-toxic approach to cancer treatment. Using an AI-driven tool called BENEIN (Boolean Network Inference), they identified three key genes—MYB, HDAC2, and FOXA2—that sustain malignant behavior in colorectal cancer cells. By silencing these genes simultaneously, tumor cells reverted to

normal-like enterocytes in lab cultures and mice, shrinking tumors without chemotherapy or radiation. This work, published in Advanced Science, may mark a major step toward universal, side-effect-free cancer therapies.

Technological Advancements in Cell Manufacturing

South Korean manufacturers are advancing scalable, GMP-compliant production pipelines for cell-based therapies. Innovations in allogeneic and autologous cell processing, automated bioreactors, and cryopreservation techniques are improving product consistency and reducing costs. Integration of AI-driven analytics optimizes cell quality, yield, and phenotype characterization. These technological advancements promote standardization and facilitate commercial-scale rollouts. Moreover, strategic partnerships between biotech firms and contract development and manufacturing organizations (CDMOs) enhance supply chain resilience. These improvements in manufacturing infrastructure and capabilities represent a key driver of South Korea cell therapy market growth. For instance, in August 2024, SK pharmteco and Rznomics signed an MOU for a multi-year partnership to co-develop and manufacture RNA-based gene therapies. SK pharmteco will support Rznomics with technical expertise and manufacturing capacity to advance products like RZ-001, targeting cancers and neurodegenerative diseases. The collaboration aims to move therapies into late-stage clinical trials and commercialization.

SOUTH KOREA CELL THERAPY MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on cell type, therapy type, therapeutic area, and end user.

Cell Type Insights:

Stem Cell

Bone Marrow

Blood

Umbilical Cord-Derived

Adipose-Derived Stem Cell

Others

Non-stem Cell

The report has provided a detailed breakup and analysis of the market based on the cell type. This includes stem cell (bone marrow, blood, umbilical cord-derived, adipose-derived stem cell, and others) and non-stem cell.

Therapy Type Insights:

Autologous

Allogeneic

The report has provided a detailed breakup and analysis of the market based on the therapy type. This includes autologous and allogeneic.

Therapeutic Area Insights:

Malignancies

Musculoskeletal Disorders

Autoimmune Disorders

Dermatology

The report has provided a detailed breakup and analysis of the market based on the therapeutic area. This includes malignancies, musculoskeletal disorders, autoimmune disorders, dermatology, and others.

End User Insights:

Hospitals and Clinics

Academic and Research Institutes

The report has provided a detailed breakup and analysis of the market based on the end user. This includes hospitals and clinics and academic and research institutes.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea cell therapy market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea cell therapy market on the basis of cell type?

What is the breakup of the South Korea cell therapy market on the basis of therapy type?

What is the breakup of the South Korea cell therapy market on the basis of therapeutic area?

What is the breakup of the South Korea cell therapy market on the basis of end user?

What is the breakup of the South Korea cell therapy market on the basis of region?
What are the various stages in the value chain of the South Korea cell therapy market?
What are the key driving factors and challenges in the South Korea cell therapy market?
What is the structure of the South Korea cell therapy market and who are the key players?
What is the degree of competition in the South Korea cell therapy market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 SOUTH KOREA CELL THERAPY MARKET - INTRODUCTION

- 4.1 Overview
- 4.2 Market Dynamics
- 4.3 Industry Trends
- 4.4 Competitive Intelligence

5 SOUTH KOREA CELL THERAPY MARKET LANDSCAPE

- 5.1 Historical and Current Market Trends (2020-2025)
- 5.2 Market Forecast (2026-2034)

6 SOUTH KOREA CELL THERAPY MARKET - BREAKUP BY CELL TYPE

- 6.1 Stem Cell
 - 6.1.1 Overview
 - 6.1.2 Historical and Current Market Trends (2020-2025)
 - 6.1.3 Market Segmentation
 - 6.1.3.1 Bone Marrow
 - 6.1.3.2 Blood
 - 6.1.3.3 Umbilical Cord-Derived

- 6.1.3.4 Adipose-Derived Stem Cell
- 6.1.3.5 Others
- 6.1.4 Market Forecast (2026-2034)
- 6.2 Non-Stem Cell
 - 6.2.1 Overview
 - 6.2.2 Historical and Current Market Trends (2020-2025)
 - 6.2.3 Market Forecast (2026-2034)

7 SOUTH KOREA CELL THERAPY MARKET - BREAKUP BY THERAPY TYPE

- 7.1 Autologous
 - 7.1.1 Overview
 - 7.1.2 Historical and Current Market Trends (2020-2025)
 - 7.1.3 Market Forecast (2026-2034)
- 7.2 Allogeneic
 - 7.2.1 Overview
 - 7.2.2 Historical and Current Market Trends (2020-2025)
 - 7.2.3 Market Forecast (2026-2034)

8 SOUTH KOREA CELL THERAPY MARKET - BREAKUP BY THERAPEUTIC AREA

- 8.1 Malignancies
 - 8.1.1 Overview
 - 8.1.2 Historical and Current Market Trends (2020-2025)
 - 8.1.3 Market Forecast (2026-2034)
- 8.2 Musculoskeletal Disorders
 - 8.2.1 Overview
 - 8.2.2 Historical and Current Market Trends (2020-2025)
 - 8.2.3 Market Forecast (2026-2034)
- 8.3 Autoimmune Disorders
 - 8.3.1 Overview
 - 8.3.2 Historical and Current Market Trends (2020-2025)
 - 8.3.3 Market Forecast (2026-2034)
- 8.4 Dermatology
 - 8.4.1 Overview
 - 8.4.2 Historical and Current Market Trends (2020-2025)
 - 8.4.3 Market Forecast (2026-2034)
- 8.5 Others
 - 8.5.1 Historical and Current Market Trends (2020-2025)

8.5.2 Market Forecast (2026-2034)

9 SOUTH KOREA CELL THERAPY MARKET - BREAKUP BY END USER

9.1 Hospitals and Clinics

9.1.1 Overview

9.1.2 Historical and Current Market Trends (2020-2025)

9.1.3 Market Forecast (2026-2034)

9.2 Academic and Research Institutes

9.2.1 Overview

9.2.2 Historical and Current Market Trends (2020-2025)

9.2.3 Market Forecast (2026-2034)

10 SOUTH KOREA CELL THERAPY MARKET – BREAKUP BY REGION

10.1 Seoul Capital Area

10.1.1 Overview

10.1.2 Historical and Current Market Trends (2020-2025)

10.1.3 Market Breakup by Cell Type

10.1.4 Market Breakup by Therapy Type

10.1.5 Market Breakup by Therapeutic Area

10.1.6 Market Breakup by End User

10.1.7 Key Players

10.1.8 Market Forecast (2026-2034)

10.2 Yeongnam (Southeastern Region)

10.2.1 Overview

10.2.2 Historical and Current Market Trends (2020-2025)

10.2.3 Market Breakup by Cell Type

10.2.4 Market Breakup by Therapy Type

10.2.5 Market Breakup by Therapeutic Area

10.2.6 Market Breakup by End User

10.2.7 Key Players

10.2.8 Market Forecast (2026-2034)

10.3 Honam (Southwestern Region)

10.3.1 Overview

10.3.2 Historical and Current Market Trends (2020-2025)

10.3.3 Market Breakup by Cell Type

10.3.4 Market Breakup by Therapy Type

10.3.5 Market Breakup by Therapeutic Area

- 10.3.6 Market Breakup by End User
- 10.3.7 Key Players
- 10.3.8 Market Forecast (2026-2034)
- 10.4 Hoseo (Central Region)
 - 10.4.1 Overview
 - 10.4.2 Historical and Current Market Trends (2020-2025)
 - 10.4.3 Market Breakup by Cell Type
 - 10.4.4 Market Breakup by Therapy Type
 - 10.4.5 Market Breakup by Therapeutic Area
 - 10.4.6 Market Breakup by End User
 - 10.4.7 Key Players
 - 10.4.8 Market Forecast (2026-2034)
- 10.5 Others
 - 10.5.1 Historical and Current Market Trends (2020-2025)
 - 10.5.2 Market Forecast (2026-2034)

11 SOUTH KOREA CELL THERAPY MARKET – COMPETITIVE LANDSCAPE

- 11.1 Overview
- 11.2 Market Structure
- 11.3 Market Player Positioning
- 11.4 Top Winning Strategies
- 11.5 Competitive Dashboard
- 11.6 Company Evaluation Quadrant

12 PROFILES OF KEY PLAYERS

- 12.1 Company A
 - 12.1.1 Business Overview
 - 12.1.2 Products Offered
 - 12.1.3 Business Strategies
 - 12.1.4 SWOT Analysis
 - 12.1.5 Major News and Events
- 12.2 Company B
 - 12.2.1 Business Overview
 - 12.2.2 Products Offered
 - 12.2.3 Business Strategies
 - 12.2.4 SWOT Analysis
 - 12.2.5 Major News and Events

12.3 Company C

12.3.1 Business Overview

12.3.2 Products Offered

12.3.3 Business Strategies

12.3.4 SWOT Analysis

12.3.5 Major News and Events

12.4 Company D

12.4.1 Business Overview

12.4.2 Products Offered

12.4.3 Business Strategies

12.4.4 SWOT Analysis

12.4.5 Major News and Events

12.5 Company E

12.5.1 Business Overview

12.5.2 Products Offered

12.5.3 Business Strategies

12.5.4 SWOT Analysis

12.5.5 Major News and Events

13 SOUTH KOREA CELL THERAPY MARKET - INDUSTRY ANALYSIS

13.1 Drivers, Restraints, and Opportunities

13.1.1 Overview

13.1.2 Drivers

13.1.3 Restraints

13.1.4 Opportunities

13.2 Porters Five Forces Analysis

13.2.1 Overview

13.2.2 Bargaining Power of Buyers

13.2.3 Bargaining Power of Suppliers

13.2.4 Degree of Competition

13.2.5 Threat of New Entrants

13.2.6 Threat of Substitutes

13.3 Value Chain Analysis

14 APPENDIX

I would like to order

Product name: South Korea Cell Therapy Market Size, Share, Trends and Forecast by Cell Type, Therapy Type, Therapeutic Area, End User, and Region, 2026-2034

Product link: <https://marketpublishers.com/r/S0DE200A9046EN.html>

Price: US\$ 2,999.00 (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/S0DE200A9046EN.html>