

Cell Therapy Market by Cell Type (Stem Cell and Non-Stem Cell), Therapy Type (Autologous and Allogenic), Therapeutic Area (Malignancies, Musculoskeletal Disorders, Autoimmune Disorders, Dermatology, and Others), and End User (Hospitals & Clinics and Academic & Research Institutes): Global Opportunity Analysis and Industry Forecast, 2020–2027

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## **Abstracts**

The global cell therapy market accounted for \$7,754.89 million in 2019, and is expected to reach \$48,115.40 million by 2027, registering a CAGR of 25.6% from 2020 to 2027.

Cell therapy involves administration of somatic cell preparations for treatment of diseases or traumatic damages. Cell therapy aims to introduce new, healthy cells into a patient's body to replace diseased or missing ones.

This is attributed to the fact that specialized cells, such as brain cells, are difficult to obtain from human body. In addition, specialized cells typically have a limited ability to multiply, making it difficult to produce sufficient number of cells required for certain cell therapies. Some of these issues can be overcome through the use of stem cells. In addition, cells such as blood and bone marrow cells, mature, immature & solid tissue cells, adult stem cells, and embryonic stem cells are widely used in cell therapy procedures.

Moreover, transplanted cells including induced pluripotent stem cells (iPSCs), embryonic stem cells (ESCs), neural stem cells (NSCs), and mesenchymal stem cells (MSCs) are divided broadly into two main groups including autologous cells and nonautologous cells. Development of precision medicine and advancements in Advanced



Therapies Medicinal Products (ATMPS) in context to their efficiency and manufacturing are expected to be the major drivers for the market. Furthermore, automation in adult stem cells and cord blood processing and storage are the key technological advancements that fuel growth of the market for cell therapy.

In addition, growth in aging patient population, rise in cell therapy transplantations globally, and surge in disease awareness drive growth of the global cell therapy market. Furthermore, rise in adoption of human cells over animal cells for cell therapeutics research, technological advancements in field of cell therapy, and increase in incidences of diseases such as cancer, cardiac abnormalities, and organ failure are the key factors that drive growth of the global market.

Moreover, implementation of stringent government regulations regarding the use of cell therapy is anticipated to restrict growth of the market. On the contrary, surge in number of regulations to promote stem cell therapy and increase in funds for research in developing countries are expected to offer lucrative opportunities to the market in the future.

The global cell therapy market is categorized on the basis of therapy type, therapeutic area, cell type, end user, and region. On the basis of therapy type, the market is segregated into autologous and allogenic. By therapeutics, it is classified into malignancies, musculoskeletal disorders, autoimmune disorders, dermatology, and others.

The global cell therapy market is categorized on the basis of therapy type, therapeutic, cell type, end user and region. On the basis of therapy type, the market is segregated into autologous and allogenic. By therapeutic area, it is classified into malignancies, musculoskeletal disorders, autoimmune disorders, dermatology, and others. On the basis of cell type, it is segregated into stem cell therapy and non-stem cell type. On the basis of end user, it is segregated into hospital & clinics and academic & research institutes. On the basis of region, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

## KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the global cell therapy market along with the current trends and future estimations to elucidate the imminent investment pockets.



Comprehensive analysis of factors that drive and restrict the market growth is provided in the report.

Comprehensive quantitative analysis of the industry from 2019 to 2027 is provided to enable the stakeholders to capitalize on the prevailing market opportunities.

Extensive analysis of the key segments of the industry helps in understanding the forms and types of cell therapy used across the globe.

Key market players and their strategies have been analyzed to understand the competitive outlook of the market.

## KEY MARKET SEGMENTS

By Cell Type

Stem Cell

**Bone Marrow** 

Blood

Umbilical Cord-Derived

Adipose-Derived Stem Cell

Others

Non-stem Cell

By Therapeutic Area

Malignancies



#### Musculoskeletal Disorders

Autoimmune Disorders

Dermatology

Others

By Therapy Type

Autologous

Allogeneic

By End User

Hospitals & Clinics

Academic & Research Institutes

## By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

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France

Italy

Spain

Rest of Europe

#### Asia-Pacific

Japan

China

India

Australia

**Rest of Asia-Pacific** 

#### LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

## LIST OF KEY PLAYERS PROFILED IN THE REPORT

## ALLOSOURCE

## CELLS FOR CELLS

Cell Therapy Market by Cell Type (Stem Cell and Non-Stem Cell), Therapy Type (Autologous and Allogenic), Thera...



HOLOSTEM TERAPIE AVANZATE SRL

JCR PHARMACEUTICALS CO., LTD

KOLON TISSUEGENE, INC

MEDIPOST CO., LTD.

MESOBLAST LTD.

NUVASIVE, INC.

OSIRIS THERAPEUTICS, INC.

STEMEDICA CELL TECHNOLOGIES, INC.



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