

Cell Therapy Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global cell therapy market size reached US\$ 11.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 32.1 Billion by 2028, exhibiting a growth rate (CAGR) of 17.5% during 2023-2028.

Cell therapy (CT) is the transplantation of human cells to replace or repair damaged tissues and cells. It comprises hematopoietic stem cells (HSC), skeletal muscle and mesenchymal stem cells, lymphocytes, and dendritic and pancreatic islet cells. It improves the immune system of the body to fight cancer cells. Apart from this, cell therapy assists in treating various conditions, such as autoimmune and infectious diseases, urinary problems, damaged cartilage in joints, spinal cord injuries, a weakened immune system, and neurological disorders. At present, it is used to manufacture regenerative medicines for developing and applying new treatments to heal tissues and organs and restore functions lost due to aging, disease, and damage.

Cell Therapy Market Trends:

At present, there is a rise in the prevalence of various diseases, such as cancer and cardiac abnormalities, across the globe. This, along with the growing number of clinical studies for cell-based therapies, represents one of the key factors driving the market. Besides this, governing agencies of several countries are promoting clinical trials around the world, which is contributing to the growth of the market. In addition, key market players are extensively investing in research and development (R&D) activities to introduce skin rejuvenation and tendon regeneration therapies. They are also focusing on developing direct cell reprogramming to replace lost neuronal tissues due to

neurodegeneration or neurotrauma. Moreover, there is an increase in the development of advanced genomic therapy techniques to treat various diseases, such as cystic fibrosis, heart disease, diabetes, hemophilia, and acquired immune deficiency syndrome (AIDS). This, coupled with the burgeoning healthcare industry, is propelling the growth of the market. Apart from this, the rising demand for regenerative medicines to replace tissue or organs damaged by diseases, traumas, or congenital issues is bolstering the growth of the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global cell therapy market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on cell type, therapy type, therapeutic area and end user.

Breakup by Cell Type:

- Stem Cell
- Bone Marrow
- Blood
- Umbilical Cord-Derived
- Adipose-Derived Stem Cell
- Others
- Non-stem Cell

Breakup by Therapy Type:

- Autologous
- Allogeneic

Breakup by Therapeutic Area:

- Malignancies
- Musculoskeletal Disorders
- Autoimmune Disorders
- Dermatology
- Others

Breakup by End User:

Hospitals and Clinics
Academic and Research Institutes

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AlloSource, Anterogen Co. Ltd., Cells for Cells, Holostem Therapie Avanzate S.r.l., JCR Pharmaceuticals, Kolon TissueGene Inc., MEDIPOST, Mesoblast Limited, NuVasive, Stemedica Cell Technologies Inc., Stempeutics Research Pvt. Ltd and Vericel Corporation.

Key Questions Answered in This Report

1. What was the size of the global cell therapy market in 2022?
2. What is the expected growth rate of the global cell therapy market during 2023-2028?
3. What has been the impact of COVID-19 on the global cell therapy market?
4. What are the key factors driving the global cell therapy market?
5. What is the breakup of the global cell therapy market based on the cell type?
6. What is the breakup of the global cell therapy market based on the therapy type?
7. What is the breakup of the global cell therapy market based on the therapeutic area?
8. What are the key regions in the global cell therapy market?
9. Who are the key players/companies in the global cell therapy market?

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