

# Global Stem Cell Therapy Market: Market Estimation, Dynamics, Regional Share, Trends, Competitor Analysis 2012-2016 and Forecast 2017-2023

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## Abstracts

Global Stem Cell Therapy Market:

Global stem cell therapy market estimated to be valued US\$ XX Mn in 2017 and poised to grow at CAGR of XX% over 2017-2023. Market for stem cell therapy is projected to reach US\$ XX Mn by 2023.

Stem cell therapy involves use of stem cells to treat various diseases or disorders. Stem cells are fundamental for every tissue and organ in the body. Stem cells are indistinguishable biological cells that are able to differentiate into specialised cells (liver cells, cardiac cells etc.) and can renew itself (through mitosis) to produce more stem cells. Stem cells have the ability to replicate, repair, and replace other damaged tissues in the human body. In addition, stem cell based therapies are also used to treat several chronic diseases such as blood disorders, cancer and others.

Growing awareness about the potency of stem cells in disease management, development of advanced gene based analysis techniques and increase in public, private investments in stem cell research are acting as growth drivers for stem cell therapy market. In addition, identification of new stem cell lines and development of infrastructure for stem cell banking & processing are propelling the growth of the global stem cell therapy market. However, ethical issues involved in stem cells research such as destruction of human embryos, religious beliefs are considered as road blocks for adaptation of stem cell therapy by patients. However, stringent regulations to conduct trials on humans, high-cost of research and storage of stem cells are some restraining factors for stem cell therapy market.

Stem cell therapy market has been segmented on the basis of treatment mode, cell types, application, technology, and end-user

Based on treatment, stem cell therapy market is segmented into

Allogeneic

Autologous

Based on cell type, stem cell therapy market is segmented into

Adult Stem cells

Induced Pluripotent Stem cells

Human Embryonic Stem Cells

Others

Based on technology, stem cell therapy market is segmented into

Cell Production

Cell Acquisition

Cryopreservation

Based on end-user, stem cell therapy market segmented into

Hospitals

Ambulatory Centers

Research Centers

Stakeholders in stem cell therapy such as academic institutions and research firms are collaborating in development of stem cell therapy and industry collaborations also projecting enormous growth of stem cell therapy market. For instance, in November 2015, Cellular Dynamics International, Inc. (FUJIFILM) collaborated with Roche to supply iCell (CDI's induced pluripotent stem cell derived) products that enables in identification of novel drug candidates at the early stages of drug discovery. Similarly, in May 2017, Magenta Therapeutics, entered into strategic partnership with Be The Match BioTherapies, to improve and expand the use of curative stem cell transplantation.

Geographically stem cell therapy market has been segmented into following regions viz. North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. Among the regions, North America dominates global stem cell therapy market due to factors such as increasing prevalence of chronic diseases, growing awareness, and rising investment in research and development activities. In Asia Pacific region, due to the favourable government policies, development healthcare infrastructure, industry collaborations in research and developments expected to boost stem cell therapy market. For instance, in April 2017, Plasticell, a developer of stem cell technologies and cell-based therapies, has announced that it has signed agreements with the Agency for Science, Technology and Research (ASTAR), Singapore, and the Nanyang Technological University (NTU), Singapore, to progress its therapeutic stem cell pipeline.

Some of the players in stem cell therapy market are Cytori Therapeutics Inc. (U.S.), Fibrocell Science (U.S.), Cellartis AB (Collectis) (France), BioTime, Inc. (U.S.), GE Healthcare (U.S.), Thermo Fisher Scientific (U.S.), STEMCELL Technologies Inc. (Canada), Fujifilm Holdings Corporation (Japan), Vericel Corporation (Aastrom Bioscience) (U.S.), Brainstorm cell therapeutics (U.S.), Becton, Dickinson and Company (U.S.), Stryker Corporation (U.S.), Celgene Corporation (U.S.), and Osiris Therapeutics, Inc. (U.S.) to name a few.

In February 2016, Mesoblast Limited's licensee in Japan, JCR Pharmaceuticals Co. Ltd., launched "TEMCELL HS Inj", the first allogeneic cell therapy to be fully approved in Japan, for the treatment of acute graft versus host disease in children and adults

## **REPORT OUTLINE:**

The report provides granular level information about the market size, regional market share and forecast from 2017-2023

The report covers in-detail insights about the competitor's overview, key findings and their key strategies

The Report Outlines drivers, restraints, challenges, and trends that are currently faced by the industry

The report tracks recent innovations, key developments and startup's details that are working in the industry

The report provides plethora of information about market entry strategies, regulatory framework and reimbursement scenario

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