Cell Therapy Market Research Report- Global Forecast till 2023

Report / Search Code: MRFR/LS/3630-CRR  Publish Date: April, 2019

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Description:

Cell Therapy Market Report: Information by Type (Autologous & Allogeneic), Product (Consumables (Vessel/Media/Serum/Reagent), Equipment, & Software & Other Services), Technique End User (Hospitals & Clinics & Others), & Region—Forecast till 2023

The global cell therapy market is expected to register a CAGR of 22.36% to reach USD 20,217.00 million by 2023.

Cell therapy involves the administration of somatic cell preparations for the treatment of diseases or traumatic damages. The objective of this study is to provide long term treatment through a single injection of therapeutic cells. Growing aging patient population, the rise in cell therapy transplantations globally, and rising disease awareness drive the growth of the global cell therapy market. However, stringent regulatory policies may hamper the growth of the market.

Synopsis/Market Dynamics

Cell therapy includes transplanting cells into the patient’s body to cure diseases. These cells may be originated from the patient’s body and are known as autologous cells or from the other donor which are known as allogeneic cells. Pluripotent is a type of cell which can be transformed into any cell type in the body, whereas multipotent cells can transform into other cell types, but their repertoire is more limited than that of pluripotent cells. Primary cells are of a fixed type. The type of cells administered depends on the treatment type. The stem cell therapy is a type of cell therapy in which the cells used for replacement are either stem cells or derived from stem cells. The global cell therapy market is expected to grow due to the rise in a number of clinical studies pertaining to the development of cellular therapies, increasing adoption of regenerative medicine, and the introduction of novel platforms and technologies.

Global Cell Therapy Market Revenue, by Type, 2023 (USD Million)

Sources: MRFR Analysis

Segmentation

The autologous segment is expected to lead the market and register a substantial CAGR to reach USD 11,554.67 million by the end of 2023. Autologous cell therapy is a branch of regenerative medicine. It involves biologic cell-based therapies to cure various diseases related to oncology, dermatology, and neurology, among others. Autologous cell therapy is anticipated to hold a
significant share of the market as compared to allogeneic cell therapy. Increasing demand for effective drugs for degenerative and cardiac disorders is expected to drive the market growth. However, the allogeneic segment is projected to exhibit the highest CAGR of 22.85% from 2018 to 2023.

Global Cell Therapy Market Share, by Region, 2017 (%)

Sources: MRFR Analysis

Regional Analysis

The Americas accounted for the largest market share of 37.6% in 2017, and the regional market is projected to register a CAGR of 21.45% during the forecast period. North America is one of the leading markets in the region, accounting for the largest market share during the review period.

The European market is estimated to exceed USD 6,357.79 million by 2023. High-income countries typically spend 2% to 3% of their annual health budget on the treatment of chronic diseases as per a bulletin published by WHO. Factors responsible for market growth in this region are well-established healthcare infrastructure and the increase in adoption of cell therapy for orthopedic, cancer, and wound healing.

Key Players

The prominent players in the global cell therapy market are Mesoblast Ltd, Vericel Corporation, Osiris Therapeutics, Inc, JCR Pharmaceuticals Co., Ltd, NuVasive, Inc., Pharmicell Co., Ltd, RTI Surgical Holdings, Inc., AlloSource, Holostem Terapie Avanzate S.r.l., Medipost Co., Ltd. The players operating in the global cell therapy market are focusing on product launches, along with expanding their global footprints by entering untapped markets.

Market Segmentation

Global Cell Therapy Market, by Type
- Autologous
- Allogeneic

Global Cell Therapy Market, by Product
- Consumables (Vessel/Media/Serum/Reagent)
- Equipment
- Software & Other Services

Global Cell Therapy Market, by Technique
- Stem Cell Therapy
- Cell Vaccine
- Adoptive Cell Transfer (ACT)
- Fibroblast Cell Therapy
- Chondrocyte Cell Therapy

Global Cell Therapy Market, by Technology
- Viral Vector Technology
- Cell Immortalization Technology
- Genome Editing Technology

Global Cell Therapy Market, by Cell Source
• Bone Marrow
• Adipose Tissue
• Umbilical Cord Blood-Derived Cells

Global Cell Therapy Market, by Application
• Oncology
• Cardiovascular Disease (CVD)
• Orthopedic
• Wound Healing

Global Cell Therapy Market, by End User
• Hospital & Clinics
• Regenerative Medicine Centers
• Research Institutes

Global Cell Therapy Market, by Region
• North America
  • US
  • Canada
  • Mexico
• Europe
  • Germany
  • UK
  • France
  • Spain
  • Italy
  • Rest of Europe
• Asia-Pacific
  • China
  • India
  • Japan
  • Australia & New Zealand
  • Southeast Asia
  • Rest of Asia-Pacific
  • Rest of the World
• Middle East
• South America

Available Additional Customizations
• Company Profiles of Key Regional Players:
  • AlloCure
  • Arteriocyte Medical Systems
  • Athersys Inc.
  • Baxter Healthcare Corporation
  • Bone Therapeutics
  • Celgene Corporation
  • Cell Medica
  • Cellerant Therapeutics
  • Fibrocell
  • Forticell Bioscience

• Global-Level Analysis:

Global Clinical Data Analysis:
CELL THERAPY CLINICAL TRIALS IN 2018, BY PHASE (1,2,3)
• NK Cell
• T Cell
• Dendritic Cell
• MSC
• Hematopoietic Stem Cells
• Others (CD34+ cells, neural stem cells, B cells, CIK cells, TILs among others)

CELL THERAPY CLINICAL TRIALS, BY TYPE (2018)
• NK Cell
• T Cell
• Dendritic Cell
• MSC
• Hematopoietic Stem Cells
• Others (CD34+ cells, neural stem cells, B cells, CIK cells, TILs among others)

**Intended Audience**

- Cell Therapy Manufacturers
- Governments, Associations, and Industrial Bodies
- Investors and Trade Experts

Infographic Summary:

**GLOBAL CELL THERAPY MARKET**

The global cell therapy market is expected to reach **USD 20,217.00 million** in 2023.

Global Cell therapy Market Share, by Region, 2017

- **Americas:** 37.6%
- **Asia-Pacific:**
- **Europe:**
- **Middle East & Africa:**

**Drivers**
- Rise in Number of Cell Therapy Clinical Studies
- Rising Adoption of Regenerative Medicine

**Restraints**
- Ethical Concerns Related to Stem Cell Research
- Stringent Regulatory Policies

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