

Cell Therapy Processing: Global Markets and Technologies

<https://marketpublishers.com/r/C1783DE848CEN.html>

Date: March 2018

Pages: 187

Price: US\$ 1,250.00 (Single User License)

ID: C1783DE848CEN

Abstracts

Report Scope:

This research report presents an in-depth analysis of the global cell therapy processing market by offering type, application and geographic regional markets. The report includes key inhibitors that affect various factors that help in growth of cell therapy processing. The report discusses the role of supply chain members from manufacturers to researchers. The report analyzes key companies operating in the global cell therapy processing market. In-depth patent analysis in the report will provide extensive technological trends across years and regions such as North America, Europe, Asia-Pacific and ROW.

The cell therapy processing market is mainly segmented into three major components: offering type, application and region. Based on offering type, the market is segmented into products (cell lines, instruments, among others), services (product design, process design, among others) and software (enabling software). Based on application, the market is categorized into cardiovascular diseases, bone repair, neurological disorders, skeletal muscle repair, cancer and others. The market is segmented by region into North America, Europe, Asia-Pacific and the ROW.

The cell therapy processing market is mainly segmented into three major components: offering type, application and region. Based on offering type, the market is segmented into products (cell lines, instruments, among others), services (product design, process design, among others) and software (enabling software). Based on application, the market is categorized into cardiovascular diseases, bone repair, neurological disorders, skeletal muscle repair, cancer and others. The market is segmented by region into North America, Europe, Asia-Pacific and the ROW.

Report Includes:

40 data tables and 25 additional tables

An overview of the global market for cell therapy processing technologies

Analyses of global market trends, with data from 2016 and 2017, and projections of compound annual growth rates (CAGRs) through 2022

Analysis of the market by technology, application, and region

An outline of the present state of applications of rainwater harvesting

Descriptions of trends in price and price-performance and other factors, including demand in the market

Profiles of key companies in the market, including Biotime Inc., Cell Design Labs., Flodesign Sonics, Lonza Group Ltd. and Sanbio Co. Ltd.

Contents

CHAPTER 1 INTRODUCTION

Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Information Sources and Methodology
Intended Audience
Geographic Breakdown
Analyst's Credentials
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND

Market Definition and Scope
What is Cell Therapy?
Stem Cell Transplant
Autologous
Allogeneic
Syngeneic
Stem Cell Classification
Based on Ability to Differentiate
Based on Source
Classification of Cell-Based Therapy Technology
Somatic Cell Technologies
Three-Dimensional Technologies
Cell Immortalization Technologies
Genome Editing Technologies
Cell Plasticity Technologies
Ex vivo Gene Modification of Cells Using Viral Vector Technologies
In vivo Gene Modification of Cells Using Viral Vector Technologies
Application of Stem Cells in Cell Therapy
Mechanism of Cell Therapy
Delivery Method of Cell-Based Therapy
Models for Manufacturing Cell Therapies
Role of Contract Manufacturers

Cell Therapy Processing Tools
Critical Quality Attributes (CQAs), Critical Process Parameters (CPPs) and Quality by Design (QbD)
Ongoing Clinical Trials
Ongoing Clinical Trials
Clinical Trial Network Focused on Stem Cell Treatments
Market Dynamics
Drivers
Restraints
Opportunity

CHAPTER 4 MARKET BREAKDOWN BY OFFERING TYPE

Products
Services
Software

CHAPTER 5 MARKET BREAKDOWN BY APPLICATION

Cardiovascular Disease
Bone Repair
Neurological Disorders
Spinal Cord Injury
Stroke
Parkinson's Disease
Amyotrophic Lateral Sclerosis
Multiple Sclerosis
Cerebral Palsy
Alzheimer's Disease
Vision Restoration
Vertebral Repair
Batten's Disease
Skeletal Muscle Repair
Intrinsic Healing Mechanisms
Cell Therapy Mechanism
Cancer
Others

CHAPTER 6 MARKET BREAKDOWN BY REGION

North America

U.S.

Canada

Mexico

Europe

Cardiovascular Diseases in Europe

Contributing Factors for Cardiovascular Diseases (CVD)

Germany

U.K.

France

Rest of Europe

Asia-Pacific

China

India

Japan

Australia

Rest of the World

Brazil

Saudi Arabia

Others

CHAPTER 7 GOVERNMENT REGULATIONS

FDA

Code of Federal Regulations

Collection of Cells

Code of Regulation

Legislation Governing the Use of Stem Cell Treatments

Regulatory Status Determined by the EU

Regulatory Scenario in India

CHAPTER 8 PATENT REVIEW

Patent Analysis
Patent Review by Year
Patent Review by Region
Patent Review by Manufacturer/Research Institute

CHAPTER 9 ANALYSIS OF MARKET OPPORTUNITIES

Collaboration
Acquisition and Business Expansion
Agreement and Other Strategies

CHAPTER 10 COMPANY PROFILES

BIOTIME INC.

BONE THERAPEUTICS SA

CALADRIUS BIOSCIENCES

CELLBIOMED GROUP

CELL DESIGN LABS

CELL THERAPIES PTY LTD

FLODESIGN SONICS

INVITRX THERAPEUTICS INC.

IOVANCE BIOTHERAPEUTICS INC.

LONZA GROUP LTD.

MERCK KGAA

NEUROGENERATION INC.

NANTWORKS LLC

NOVARTIS

PLASTICELL LTD.

REGENEUS LTD.

REGEN BIOPHARMA INC.

SANBIO CO. LTD.

SARTORIUS STEDIM BIOTECH

STEMGENEX MEDICAL GROUP

TARGAZYME INC.

CHAPTER 11 APPENDIX

List Of Tables

LIST OF TABLES

Summary Table: Global Market for Cell Therapy Processing, by Region, Through 2022

Table 1: Neural Stem Cell Trials

Table 2: Global Market for Cell Therapy Processing Market, by Offering Type, Through 2022

Table 3: Global Cell Therapy Processing Market for Products, Through 2022

Table 4: Global Cell Therapy Processing Market for Services, Through 2022

Table 5: Global Cell Therapy Processing Market for Software, Through 2022

Table 6: Global Market for Cell Therapy Processing Market, by Application, Through 2022

Table 7: Cardiovascular Diseases and Their Treatments

Table 8: Global Cell Therapy Processing Market for Cardiovascular Disease, Through 2022

Table 9: Global Cell Therapy Processing Market for Bone Repair, Through 2022

Table 10: Global Cell Therapy Processing Market for Neurological Disorders, Through 2022

Table 11: Global Cell Therapy Processing Market for Skeletal Muscle Repair, Through 2022

Table 12: Global Cell Therapy Processing Market for Cancer, Through 2022

Table 13: Global Cell Therapy Processing Market for Other Applications, Through 2022

Table 14: Global Market for Cell Therapy Processing, by Region, Through 2022

Table 15: North American Market for Cell Therapy Processing, by Country, Through 2022

Table 16: North American Market for Cell Therapy Processing, by Offering Type, Through 2022

Table 17: North American Market for Cell Therapy Processing, by Application, Through 2022

Table 18: European Market for Cell Therapy Processing, by Country, Through 2022

Table 19: European Market for Cell Therapy Processing, by Offering Type, Through 2022

Table 20: European Market for Cell Therapy Processing, by Application, Through 2022

Table 21: Asia-Pacific Market for Cell Therapy Processing, by Country, Through 2022

Table 22: Asia-Pacific Market for Cell Therapy Processing, by Offering Type, Through 2022

Table 23: Asia-Pacific Market for Cell Therapy Processing, by Application, Through 2022

Table 24: Row Market for Cell Therapy Processing, by Country, Through 2022
Table 25: Row Market for Cell Therapy Processing, by Offering Type, Through 2022
Table 26: Row Market for Cell Therapy Processing, by Application, Through 2022
Table 27: Stem Cell Treatment Provided in Australia
Table 28: Patent Share for Global Cell Therapy, by Year, 2014-2016
Table 29: Patent Share for Global Cell Therapy, by Region, 2014-2016
Table 30: Patent Share for Global Cell Therapy, by Country/Region, 2014-2016
Table 31: Patent Share for Global Cell Therapy, by Manufacturer/Research Institute, 2014-2016
Table 32: Major Collaborations Announced, 2016 and 2017
Table 33: Major Acquisitions and Business Expansions Announced, 2016 and 2017
Table 34: Major Acquisitions and Business Expansions Announced, 2017
Table 35: Strategies for Global Cell Therapy Processing, 2014–2017
Table 36: Strategies for Global Cell Therapy Processing, 2014–2017
Table 37: Strategies for Global Cell Therapy Processing, 2014–2017
Table 38: Key Strategies for Global Cell Therapy Processing, 2014–2017
Table 39: Key Strategies for Global Cell Therapy Processing, by Year, 2015-2017
Table 40: BioTime Inc.'s Products
Table 41: BioTime Inc.'s Developments, 2015-2017
Table 42: Bone Therapeutics' Products
Table 43: Bone Therapeutics' Developments, 2015-2017
Table 44: Caladrius Biosciences Inc.'s Products
Table 45: Caladrius Biosciences Inc.'s Developments, 2015-2017
Table 46: Cellular Biomedicine Group's Products
Table 47: Cellular Biomedicine Group's Developments, 2015–2017
Table 48: Cell Design Labs' Developments, 2015–2017
Table 49: FloDesign Sonics' Products
Table 50: FloDesign Sonics' Developments, 2015-2017
Table 51: Invitrx Therapeutics Inc.'s Products
Table 52: Iovance's Products
Table 53: Iovance's Developments, 2015–2017
Table 54: Lonza's Developments, 2015-2017
Table 55: Merck KGaA's Products
Table 56: Merck KGaA's Developments, 2015–2017
Table 57: NantWorks LLC's Developments, 2015–2017
Table 58: Novartis AG's Products
Table 59: Novartis AG's Financials, 2014–2016
Table 60: Novartis AG's Developments, 2015–2017
Table 61: Plasticell Ltd.'s Products

Table 62: Plasticell's Developments, 2015–2017

Table 63: Regeneus Ltd.'s Products

Table 64: Regeneus Ltd.'s Developments, 2015–2017

Table 65: Regen BioPharma Inc.'s Products

Table 66: Regen BioPharma Inc.'s Developments, 2015–2017

Table 67: SanBio's Products

Table 68: SanBio's Developments, 2015–2017

Table 69: Sartorius Stedim Biotech's Products

Table 70: Sartorius Stedim Biotech's Developments, 2015–2017

Table 71: Targazyme Inc.'s Developments, 2015–2017

Table 72: Patents Granted in North America, 2014-2016

Table 73: Patents in Europe, 2014-2016

Table 74: Patents in Asia-Pacific, 2014-2016

Table 75: Patents Awarded in RoW, 2014-2016

List Of Figures

LIST OF FIGURES

Summary Figure: Global Market for Cell Therapy Processing, by Region, 2016-2022

Figure 1: Classification of Stem Cells Based on Source

Figure 2: Cell Therapy Products & Services

Figure 3: Cardiovascular Cell Therapy

Figure 4: Potential effects of angiogenesis

Figure 5: Bone Repair Mechanism

Figure 6: Role of MSC in Bone Repair

Figure 7: Increase in Incidence of Cancer in North America, 2009–2013

Figure 8: Number of New Cases and Deaths Due to Cancer in the U.S., 2017

Figure 9: Cell Therapy Processing Market in the U.S., 2016–2022

Figure 10: Number of New Cases and Deaths Due to Cancer in Canada, 2017

Figure 11: Cell Therapy Processing Market in Canada, 2016–2022

Figure 12: Incidence and Mortality Rate in Mexico, 2012

Figure 13: Cell Therapy Processing Market in Mexico, 2016–2022

Figure 14: Cell Therapy Processing Market in Germany, 2016–2022

Figure 15: Cell Therapy Processing Market in U.K., 2016–2022

Figure 16: Incidence and Mortality Rate in France, 2012

Figure 17: Cell Therapy Processing Market in France, 2016–2022

Figure 18: Cell Therapy Processing Market in Rest of Europe, 2016–2022

Figure 19: Proportion of Total Population Aged 60 or Above in Asia-Pacific Region, 2016 and 2050

Figure 20: Incidence and Mortality Rate in China, 2012

Figure 21: Cell Therapy Processing Market in China, 2016–2022

Figure 22: Incidence and Mortality Rate in India, 2012

Figure 23: Cell Therapy Processing Market in India, 2016–2022

Figure 24: Cancer Incidence in Japan, by Type of Cancer, 2015

Figure 25: Cell Therapy Processing Market in Japan, 2016–2022

Figure 26: Incidence and Mortality Rate in Australia, 2012

Figure 27: Cell Therapy Processing Market in Australia, 2016–2022

Figure 28: Cell Therapy Processing Market in Rest of Asia-Pacific, 2016–2022

Figure 29: Cell Therapy Processing Market in Brazil, 2016–2022

Figure 30: Cell Therapy Processing Market in Saudi Arabia, 2016–2022

Figure 31: Cell Therapy Processing Market in Other Regions, 2016–2022

Figure 32: CBER Regulation for Cell Therapy

Figure 33: Patent Share for Global Cell Therapy, by Year, 2014-2016

Figure 34: Patent Share for Global Cell Therapy, by Year, 2014-2016

Figure 35: Patent Share for Global Cell Therapy, by Region, 2014-2016

Figure 36: Patent Share for Global Cell Therapy, by Country/Region, 2014-2016

Figure 37: Patent Share for Global Cell Therapy, by Manufacturer/Research Institute, 2014-2016

Figure 38: Strategies for Global Cell Therapy Processing, 2014–2017

Figure 39: Key Strategies for Global Cell Therapy Processing, 2014–2017

Figure 40: Key strategies for Global Cell Therapy Processing, by Year, 2015-2017

I would like to order

Product name: Cell Therapy Processing: Global Markets and Technologies

Product link: <https://marketpublishers.com/r/C1783DE848CEN.html>

Price: US\$ 1,250.00 (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/C1783DE848CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970