

Global Cell Therapy Manufacturing Market, By Therapy (T-Cell Therapies, Dendritic Cell Therapies, Tumor Cell Therapies, Stem Cell Therapies), By Source of Cell (Autologous v/s Allogenic), By Scale of Operation (Preclinical, Clinical, Commercial), By Source (In-House v/s Contract Manufacturing), By Application (Oncology, Cardiovascular Diseases, Orthopedic Diseases, Others), By End User (Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, Others), By Region, Competition Forecast and Opportunities, 2026

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Abstracts

Global cell therapy manufacturing market was valued at USD3123.44 million in the year 2020 and is anticipated to grow with a CAGR value of 12.0% in the forecast period, 2022-2026 to reach market value of USD6015.09 million by 2026F. The market growth can be attributed to advancing biopharmaceutical industries across the globe.

Moreover, increasing dependency on cell therapy and thus therapeutics & pharmaceutical products for the efficient treatment of the patients suffering from critical diseases and conditions is also supporting the growth of the global cell therapy manufacturing market in the next five years. Additionally, growing prevalence of chronic diseases like cardiovascular diseases, cancer disease, along with lifestyle diseases like obesity, diabetes that further deteriorates immunity of the humans further contributes to the growth of the global cell therapy manufacturing market in the future five years.

Recent instance of COVID-19 outbreak that caused millions of deaths worldwide has created a demand for advanced cell therapy manufacturing to devise pharmaceuticals,

vaccines, etc. Significant development and advancement in cell-based therapies for skin rejuvenation and tendon regeneration are further driving the growth of the global cell therapy manufacturing market in the forecast period.

The global cell therapy manufacturing market is segmented by therapy, source of cell, scale of operation, source, application, end user, company, and regional distribution. Based on application, the market is further divided into oncology, cardiovascular diseases, orthopedic diseases, and others. Oncology sub-segment is anticipated to hold more than 50% of the revenue shares of the market and dominate the application based market segmentation in the upcoming five years. The growth can be attributed to increasing instances of various types of cancer in the global population. Moreover, increased technological advancement and consistent cell therapy based research for the treatment of cancer is further anticipated to support the market growth.

Novartis AG, F. Hoffmann-La Roche AG, Gilead Sciences, Inc., Thermo Fischer Scientific, Inc., Catalent, Inc., JSR Life Sciences LLC (KBI Biopharma Inc), Waisman Center (Waisman Biomanufacturing), Cell and Gene Therapy Catapult, Merck KGaA, Lonza Group, Oxford Biomedica Plc, WuXi AppTec, Charles River Laboratoires International Inc., Institut Merieux (ABL Inc.), BioCentriq, Centre for Commercialization of Regenerative Medicine (CCRM), Fujifilm Holdings Corporation (Fujifilm Cellular Dynamics), Amgen Inc., Bluebird Bio Inc., Takeda Pharmaceutical Company Limited are among the major market players in the global platform that lead the market growth of the global cell therapy manufacturing market.

Years considered for this report:

Historical Years: 2016-2019

Base Year: 2020

Estimated Year: 2021

Forecast Period: 2022–2026

Objective of the Study:

To analyze and estimate the market size of global cell therapy manufacturing market from 2016 to 2020.

To estimate and forecast the market size of global cell therapy manufacturing market from 2021 to 2026 and growth rate until 2026.

To classify and forecast global cell therapy manufacturing market based on therapy, source of cell, scale of operation, source, application, end user, company, and regional distribution.

To identify dominant region or segment in the global cell therapy manufacturing market.

To identify drivers and challenges for global cell therapy manufacturing market.

To examine competitive developments such as expansions, mergers & acquisitions, etc., in global cell therapy manufacturing market.

To identify and analyze the profile of leading players operating in global cell therapy manufacturing market.

To identify key sustainable strategies adopted by market players in global cell therapy manufacturing market.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of companies the globe. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents were also enquired about their competitors. Through this technique, TechSci Research could include the companies which could not be identified due to the limitations of secondary research. TechSci Research analyzed the companies, distribution channels and presence of all major players across the globe.

TechSci Research calculated the market size of global cell therapy manufacturing market using a bottom-up approach, wherein data for various end-user segments was recorded and forecast for the future years. TechSci Research sourced these values from the industry experts and company representatives and externally validated through analyzing historical data of these applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations and financial reports were

also studied by TechSci Research.

Key Target Audience:

Companies, and other stakeholders

Government bodies such as regulating authorities and policy makers

Organizations, forums and alliances related to cell therapy manufacturing

Market research and consulting firms

The study is useful in providing answers to several critical questions that are important for the industry stakeholders such as manufacturers, suppliers, partners, end users, etc., besides allowing them in strategizing investments and capitalizing on market opportunities.

Report Scope:

In this report, global cell therapy manufacturing market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Global Cell Therapy Manufacturing Market, By Therapy:

T-Cell Therapies

Dendritic Cell Therapies

Tumor Cell Therapies

Stem Cell Therapies

Global Cell Therapy Manufacturing Market, By Source of Cell:

Autologous

Allogenic

Global Cell Therapy Manufacturing Market, By Scale of Operation:

Preclinical

Clinical

Commercial

Global Cell Therapy Manufacturing Market, By Source:

In-House

Contract Manufacturing

Global Cell Therapy Manufacturing Market, By Application:

Oncology

Cardiovascular Diseases

Orthopedic Diseases

Others

Global Cell Therapy Manufacturing Market, By End User:

Pharmaceutical & Biotechnology Companies

Academic & Research Institutes

Others

Global Cell Therapy Manufacturing Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Spain

Italy

Asia-Pacific

China

Japan

South Korea

Australia

India

South America

Brazil

Argentina

Colombia

Middle East & Africa

Israel

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global cell therapy manufacturing market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. EXECUTIVE SUMMARY

4. IMPACT OF COVID-19 ON GLOBAL CELL THERAPY MANUFACTURING MARKET

5. VOICE OF CUSTOMERS

5.1. Brand Awareness

5.2. Commonly Used Cell Therapies

5.3. Preferences Based on Source of Cell Among Medical Professionals

6. GLOBAL CELL THERAPY MANUFACTURING MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Therapy (T-Cell Therapies, Dendritic Cell Therapies, Tumor Cell Therapies, Stem Cell Therapies)

6.2.2. By Source of Cell (Autologous v/s Allogenic)

6.2.3. By Scale of Operation (Preclinical, Clinical, Commercial)

6.2.4. By Source (In-House v/s Contract Manufacturing)

6.2.5. By Application (Oncology, Cardiovascular Diseases, Orthopedic Diseases, Others)

6.2.6. By End User (Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, Others)

6.2.7. By Company (2020)

6.2.8. By Region

6.3. Product Market Map

6.3.1. By Therapy

6.3.2. By Scale of Operation

6.3.3. By Source

6.3.4. By Application

6.3.5. By Region

7. NORTH AMERICA CELL THERAPY MANUFACTURING MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Therapy

7.2.2. By Source of Cell

7.2.3. By Scale of Operation

7.2.4. By Source

7.2.5. By Application

7.2.6. By End User

7.2.7. By Country

7.3. North America: Country Analysis

7.3.1. United States Cell Therapy Manufacturing Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Therapy

7.3.1.2.2. By Source of Cell

7.3.1.2.3. By Scale of Operation

7.3.1.2.4. By Source

7.3.1.2.5. By Application

7.3.1.2.6. By End User

7.3.2. Canada Cell Therapy Manufacturing Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Therapy

7.3.2.2.2. By Source of Cell

7.3.2.2.3. By Scale of Operation

7.3.2.2.4. By Source

7.3.2.2.5. By Application

7.3.2.2.6. By End User

7.3.3. Mexico Cell Therapy Manufacturing Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Therapy

- 7.3.3.2.2. By Source of Cell
- 7.3.3.2.3. By Scale of Operation
- 7.3.3.2.4. By Source
- 7.3.3.2.5. By Application
- 7.3.3.2.6. By End User

8. EUROPE CELL THERAPY MANUFACTURING MARKET OUTLOOK

8.1. Market Size & Forecast

- 8.1.1. By Value

8.2. Market Share & Forecast

- 8.2.1. By Therapy
- 8.2.2. By Source of Cell
- 8.2.3. By Scale of Operation
- 8.2.4. By Source
- 8.2.5. By Application
- 8.2.6. By End User
- 8.2.7. By Country

8.3. Europe: Country Analysis

8.3.1. Germany Cell Therapy Manufacturing Market Outlook

8.3.1.1. Market Size & Forecast

- 8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

- 8.3.1.2.1. By Therapy
- 8.3.1.2.2. By Source of Cell
- 8.3.1.2.3. By Scale of Operation
- 8.3.1.2.4. By Source
- 8.3.1.2.5. By Application
- 8.3.1.2.6. By End User

8.3.2. France Cell Therapy Manufacturing Market Outlook

8.3.2.1. Market Size & Forecast

- 8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

- 8.3.2.2.1. By Therapy
- 8.3.2.2.2. By Source of Cell
- 8.3.2.2.3. By Scale of Operation
- 8.3.2.2.4. By Source
- 8.3.2.2.5. By Application
- 8.3.2.2.6. By End User

8.3.3. United Kingdom Cell Therapy Manufacturing Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Therapy

8.3.3.2.2. By Source of Cell

8.3.3.2.3. By Scale of Operation

8.3.3.2.4. By Source

8.3.3.2.5. By Application

8.3.3.2.6. By End User

8.3.4. Spain Cell Therapy Manufacturing Market Outlook

8.3.4.1. Market Size & Forecast

8.3.4.1.1. By Value

8.3.4.2. Market Share & Forecast

8.3.4.2.1. By Therapy

8.3.4.2.2. By Source of Cell

8.3.4.2.3. By Scale of Operation

8.3.4.2.4. By Source

8.3.4.2.5. By Application

8.3.4.2.6. By End User

8.3.5. Italy Cell Therapy Manufacturing Market Outlook

8.3.5.1. Market Size & Forecast

8.3.5.1.1. By Value

8.3.5.2. Market Share & Forecast

8.3.5.2.1. By Therapy

8.3.5.2.2. By Source of Cell

8.3.5.2.3. By Scale of Operation

8.3.5.2.4. By Source

8.3.5.2.5. By Application

8.3.5.2.6. By End User

9. ASIA-PACIFIC CELL THERAPY MANUFACTURING MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Therapy

9.2.2. By Source of Cell

9.2.3. By Scale of Operation

- 9.2.4. By Source
- 9.2.5. By Application
- 9.2.6. By End User
- 9.2.7. By Country
- 9.3. Asia-Pacific: Country Analysis
 - 9.3.1. China Cell Therapy Manufacturing Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Therapy
 - 9.3.1.2.2. By Source of Cell
 - 9.3.1.2.3. By Scale of Operation
 - 9.3.1.2.4. By Source
 - 9.3.1.2.5. By Application
 - 9.3.1.2.6. By End User
 - 9.3.2. Japan Cell Therapy Manufacturing Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Therapy
 - 9.3.2.2.2. By Source of Cell
 - 9.3.2.2.3. By Scale of Operation
 - 9.3.2.2.4. By Source
 - 9.3.2.2.5. By Application
 - 9.3.2.2.6. By End User
 - 9.3.3. South Korea Cell Therapy Manufacturing Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Therapy
 - 9.3.3.2.2. By Source of Cell
 - 9.3.3.2.3. By Scale of Operation
 - 9.3.3.2.4. By Source
 - 9.3.3.2.5. By Application
 - 9.3.3.2.6. By End User
 - 9.3.4. Australia Cell Therapy Manufacturing Market Outlook
 - 9.3.4.1. Market Size & Forecast
 - 9.3.4.1.1. By Value
 - 9.3.4.2. Market Share & Forecast

- 9.3.4.2.1. By Therapy
- 9.3.4.2.2. By Source of Cell
- 9.3.4.2.3. By Scale of Operation
- 9.3.4.2.4. By Source
- 9.3.4.2.5. By Application
- 9.3.4.2.6. By End User
- 9.3.5. India Cell Therapy Manufacturing Market Outlook
 - 9.3.5.1. Market Size & Forecast
 - 9.3.5.1.1. By Value
 - 9.3.5.2. Market Share & Forecast
 - 9.3.5.2.1. By Therapy
 - 9.3.5.2.2. By Source of Cell
 - 9.3.5.2.3. By Scale of Operation
 - 9.3.5.2.4. By Source
 - 9.3.5.2.5. By Application
 - 9.3.5.2.6. By End User

10. SOUTH AMERICA CELL THERAPY MANUFACTURING MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Therapy
 - 10.2.2. By Source of Cell
 - 10.2.3. By Scale of Operation
 - 10.2.4. By Source
 - 10.2.5. By Application
 - 10.2.6. By End User
 - 10.2.7. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Cell Therapy Manufacturing Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Therapy
 - 10.3.1.2.2. By Source of Cell
 - 10.3.1.2.3. By Scale of Operation
 - 10.3.1.2.4. By Source
 - 10.3.1.2.5. By Application

- 10.3.1.2.6. By End User
- 10.3.2. Argentina Cell Therapy Manufacturing Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Therapy
 - 10.3.2.2.2. By Source of Cell
 - 10.3.2.2.3. By Scale of Operation
 - 10.3.2.2.4. By Source
 - 10.3.2.2.5. By Application
 - 10.3.2.2.6. By End User
- 10.3.3. Colombia Cell Therapy Manufacturing Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Therapy
 - 10.3.3.2.2. By Source of Cell
 - 10.3.3.2.3. By Scale of Operation
 - 10.3.3.2.4. By Source
 - 10.3.3.2.5. By Application
 - 10.3.3.2.6. By End User

11. MIDDLE EAST AND AFRICA CELL THERAPY MANUFACTURING MARKET OUTLOOK

- 11.1. Market Size & Forecast
 - 11.1.1. By Value
- 11.2. Market Share & Forecast
 - 11.2.1. By Therapy
 - 11.2.2. By Source of Cell
 - 11.2.3. By Scale of Operation
 - 11.2.4. By Source
 - 11.2.5. By Application
 - 11.2.6. By End User
 - 11.2.7. By Country
- 11.3. MEA: Country Analysis
 - 11.3.1. Israel Cell Therapy Manufacturing Market Outlook
 - 11.3.1.1. Market Size & Forecast
 - 11.3.1.1.1. By Value

- 11.3.1.2. Market Share & Forecast
 - 11.3.1.2.1. By Therapy
 - 11.3.1.2.2. By Source of Cell
 - 11.3.1.2.3. By Scale of Operation
 - 11.3.1.2.4. By Source
 - 11.3.1.2.5. By Application
 - 11.3.1.2.6. By End User
- 11.3.2. South Africa Cell Therapy Manufacturing Market Outlook
 - 11.3.2.1. Market Size & Forecast
 - 11.3.2.1.1. By Value
 - 11.3.2.2. Market Share & Forecast
 - 11.3.2.2.1. By Therapy
 - 11.3.2.2.2. By Source of Cell
 - 11.3.2.2.3. By Scale of Operation
 - 11.3.2.2.4. By Source
 - 11.3.2.2.5. By Application
 - 11.3.2.2.6. By End User
- 11.3.3. Saudi Arabia Cell Therapy Manufacturing Market Outlook
 - 11.3.3.1. Market Size & Forecast
 - 11.3.3.1.1. By Value
 - 11.3.3.2. Market Share & Forecast
 - 11.3.3.2.1. By Therapy
 - 11.3.3.2.2. By Source of Cell
 - 11.3.3.2.3. By Scale of Operation
 - 11.3.3.2.4. By Source
 - 11.3.3.2.5. By Application
 - 11.3.3.2.6. By End User
- 11.3.4. UAE Cell Therapy Manufacturing Market Outlook
 - 11.3.4.1. Market Size & Forecast
 - 11.3.4.1.1. By Value
 - 11.3.4.2. Market Share & Forecast
 - 11.3.4.2.1. By Therapy
 - 11.3.4.2.2. By Source of Cell
 - 11.3.4.2.3. By Scale of Operation
 - 11.3.4.2.4. By Source
 - 11.3.4.2.5. By Application
 - 11.3.4.2.6. By End User

12. MARKET DYNAMICS

12.1. Drivers

12.2. Challenges

13. MARKET TRENDS & DEVELOPMENTS

14. CLINICAL TRIALS

15. PATENT ANALYSIS

16. COMPETITIVE LANDSCAPE

16.1. Competition Outlook

16.2. Company Profiles (SWOT Analysis of Top 5 Players Profiled)

16.2.1. Novartis AG

16.2.2. F. Hoffmann La Roche AG

16.2.3. Gilead Sciences, Inc.

16.2.4. Thermo Fischer Scientific, Inc.

16.2.5. Catalent, Inc.

16.2.6. JSR Life Sciences LLC (KBI Biopharma Inc)

16.2.7. Waisman Center (Waisman Biomanufacturing)

16.2.8. Cell and Gene Therapy Catapult

16.2.9. Merck KGaA

16.2.10. Lonza Group

16.2.11. Oxford Biomedica Plc

16.2.12. WuXi AppTec

16.2.13. Charles River Laboratories International Inc.

16.2.14. Institut Merieux (ABL Inc.)

16.2.15. BioCentriq

16.2.16. Centre for Commercialization of Regenerative Medicine (CCRM)

16.2.17. Fujifilm Holdings Corporation (Fujifilm Cellular Dynamics)

16.2.18. Amgen Inc.

16.2.19. Bluebird Bio Inc.

16.2.20. Takeda Pharmaceutical Company Limited

17. STRATEGIC RECOMMENDATIONS

List Of Tables

LIST OF TABLES

Table 1: Number of Persons Aged 65 Years or Above by Geographic Region, 2019 and 2050

Table 2: Clinically Approved Cell Therapies

Table 3: Clinical Trial Studies on Cell Therapy Manufacturing till November 2021

Table 4: List of Some Recent Patents in Cell Therapy Manufacturing

List Of Figures

LIST OF FIGURES

Figure 1: Global Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 2: Global Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 3: Global Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 4: Global Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 5: Global Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 6: Global Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 7: Global Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 8: Global Cell Therapy Manufacturing Market Share, By Region, By Value, 2016-2026F

Figure 9: Global Cell Therapy Manufacturing Market Share, By Company, By Value, 2020

Figure 10: Global Cell Therapy Manufacturing Market Map, By Therapy, Market Size (USD Million) & Growth Rate (%), 2020

Figure 11: Global Cell Therapy Manufacturing Market Map, By Scale of Operations, Market Size (USD Million) & Growth Rate (%), 2020

Figure 12: Global Cell Therapy Manufacturing Market Map, By Source, Market Size (USD Million) & Growth Rate (%), 2020

Figure 13: Global Cell Therapy Manufacturing Market Map, By Application, Market Size (USD Million) & Growth Rate (%), 2020

Figure 14: Global Cell Therapy Manufacturing Market Map, By Region, Market Size (USD Million) & Growth Rate (%), 2020

Figure 15: North America Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 16: North America Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 17: North America Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 18: North America Cell Therapy Manufacturing Market Share, By Scale of

Operation, By Value, 2016-2026F

Figure 19: North America Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 20: North America Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 21: North America Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 22: North America Cell Therapy Manufacturing Market Share, By Country, By Value, 2016-2026F

Figure 23: United States Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 24: United States Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 25: United States Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 26: United States Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 27: United States Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 28: United States Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 29: United States Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 30: Canada Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 31: Canada Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 32: Canada Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 33: Canada Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 34: Canada Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 35: Canada Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 36: Canada Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 37: Mexico Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 38: Mexico Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 39: Mexico Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 40: Mexico Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 41: Mexico Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 42: Mexico Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 43: Mexico Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 44: Europe Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 45: Europe Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 46: Europe Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 47: Europe Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 48: Europe Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 49: Europe Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 50: Europe Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 51: Europe Cell Therapy Manufacturing Market Share, By Country, By Value, 2016-2026F

Figure 52: Germany Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 53: Germany Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 54: Germany Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 55: Germany Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 56: Germany Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 57: Germany Cell Therapy Manufacturing Market Share, By Application, By

Value, 2016-2026F

Figure 58: Germany Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 59: France Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 60: France Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 61: France Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 62: France Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 63: France Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 64: France Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 65: France Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 66: United Kingdom Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 67: United Kingdom Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 68: United Kingdom Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 69: United Kingdom Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 70: United Kingdom Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 71: United Kingdom Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 72: United Kingdom Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 73: Spain Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 74: Spain Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 75: Spain Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 76: Spain Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 77: Spain Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 78: Spain Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 79: Spain Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 80: Italy Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 81: Italy Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 82: Italy Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 83: Italy Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 84: Italy Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 85: Italy Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 86: Italy Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 87: Asia Pacific Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 88: Asia Pacific Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 89: Asia Pacific Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 90: Asia Pacific Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 91: Asia Pacific Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 92: Asia Pacific Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 93: Asia Pacific Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 94: Asia Pacific Cell Therapy Manufacturing Market Share, By Country, By Value, 2016-2026F

Figure 95: China Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 96: China Cell Therapy Manufacturing Market Share, By Therapy, By Value,

2016-2026F

Figure 97: China Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 98: China Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 99: China Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 100: China Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 101: China Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 102: Japan Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 103: Japan Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 104: Japan Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 105: Japan Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 106: Japan Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 107: Japan Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 108: Japan Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 109: South Korea Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 110: South Korea Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 111: South Korea Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 112: South Korea Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 113: South Korea Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 114: South Korea Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 115: South Korea Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 116: Australia Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 117: Australia Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 118: Australia Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 119: Australia Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 120: Australia Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 121: Australia Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 122: Australia Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 123: India Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 124: India Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 125: India Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 126: India Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 127: India Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 128: India Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 129: India Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 130: South America Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 131: South America Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 132: South America Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 133: South America Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 134: South America Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 135: South America Cell Therapy Manufacturing Market Share, By Application,

By Value, 2016-2026F

Figure 136: South America Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 137: South America Cell Therapy Manufacturing Market Share, By Country, By Value, 2016-2026F

Figure 138: Brazil Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 139: Brazil Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 140: Brazil Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 141: Brazil Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 142: Brazil Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 143: Brazil Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 144: Brazil Cell Therapy Manufacturing Market Share, By End User, By Value, 2016-2026F

Figure 145: Argentina Cell Therapy Manufacturing Market Size, By Value (USD Million), 2016-2026F

Figure 146: Argentina Cell Therapy Manufacturing Market Share, By Therapy, By Value, 2016-2026F

Figure 147: Argentina Cell Therapy Manufacturing Market Share, By Source of Cell, By Value, 2016-2026F

Figure 148: Argentina Cell Therapy Manufacturing Market Share, By Scale of Operation, By Value, 2016-2026F

Figure 149: Argentina Cell Therapy Manufacturing Market Share, By Source, By Value, 2016-2026F

Figure 150: Argentina Cell Therapy Manufacturing Market Share, By Application, By Value, 2016-2026F

Figure 151: Argentin

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