

South & Central America Stem Cell Therapy Market Forecast to 2028 – Regional Analysis – by Type (Adult Stem Cell Therapy, Embryonic Stem Cell Therapy, Induced Pluripotent Stem Cell Therapy, and Other Stem Cell Therapy), Treatment (Allogeneic and Autologous), Application (Musculoskeletal, Dermatology, Cardiology, Drug Discovery & Development, and Other Applications), and End User (Hospitals & Specialty Clinics and Academic & Research Institutes)

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Abstracts

The South & Central America stem cell therapy is expected to grow from US\$ 75.16 million in 2022 to US\$ 139.30 million by 2028. It is estimated to grow at a CAGR of 10.8% from 2022 to 2028.

Use of Induced Pluripotent Stem Cells in Regenerative Medicines Drives South & Central America Stem Cell Therapy Market

Per the Frontiers Media S.A. 2023 report, progress in the field of induced pluripotent stem cells (iPSCs) has opened a new gateway for research in therapeutics. iPSCs are mainly intended for research and clinical studies such as disease modeling, regenerative medicine, and drug discovery/drug cytotoxicity studies. For example, iPSCs can be used to convert differentiated somatic cells to multipotent stem cells to generate different cell types of adult tissues. Thus, iPSCs have shown promising results in regenerative medicine, particularly for replacing diseased or injured cells. iPSCs are

widely used to regenerate tissue-specific cells for transplantation in patients for treating injuries and degenerative diseases. Studies such as drug discovery involving screening of small molecules and toxicity testing for safety assessment have been successfully disclosed positive iPSCs-based results. The aforementioned factors are expected to offer lucrative growth opportunities to companies in the South & Central America stem cell therapy market in the coming years.

South & Central America Stem Cell Therapy Overview

The government and healthcare authorities in Brazil are implementing constructive strategies to increase the awareness and exposure of stem cell therapies in the countries. For example, providing international exposure, the authorities are focusing on conducting clinical trials in the country. For instance, according to clinicaltrials.gov, in 2016, around 27 stem cell studies were being conducted in the country, which accounted for an estimated 1.7% of all the stem cell studies across the globe. Also, the country allotted around US\$ 5.0 Mn for stem cell research at the starting beginning of the entry in the stem cell domain. Increasing awareness in the country is fueling the growth of innovations and discoveries in the stem cell market. For instance, in 2017, R-Crio, a Brazil-based startup, discovered a way to produce around 7 million stem cells from a single baby tooth. These factors are likely to drive the growth of the Brazil stem cell therapy market during the forecast period.

South & Central America Stem Cell Therapy Revenue and Forecast to 2028 (US\$ Million)

South & Central America Stem Cell Therapy Segmentation

The South & Central America stem cell therapy is segmented into type, treatment, application, end user, and country.

Based on type, the South & Central America stem cell therapy is segmented into adult stem cell therapy, embryonic stem cell therapy, induced pluripotent stem cell therapy, and other stem cell therapy. In 2022, the adult stem cell therapy segment registered the largest share in the South & Central America stem cell therapy. The adult stem cell therapy segments is further segmented into hematopoietic stem cell therapy, umbilical cord stem cell therapy, neuronal stem cell therapy, and mesenchymal stem cell.

Based on treatment, the South & Central America stem cell therapy is bifurcated into allogeneic and autologous. In 2022, the allogeneic segment registered a larger share in

the South & Central America stem cell therapy.

Based on application, the South & Central America stem cell therapy is segmented into musculoskeletal, dermatology, cardiology, drug discovery & development, and other applications. In 2022, the musculoskeletal segment registered the largest share in the South & Central America stem cell therapy.

Based on end user, the South & Central America stem cell therapy is bifurcated into hospitals & specialty clinics and academic & research institutes. In 2022, the academic & research institutes segment registered a larger share in the South & Central America stem cell therapy.

Based on country, the South & Central America stem cell therapy is segmented into Brazil, Argentina, and the Rest of South & Central America. In 2022, Brazil segment registered the largest share in the South & Central America stem cell therapy.

Lonza Group AG, Pluri Inc, Smith & Nephew Plc, and TiGenix NV (Takeda Pharmaceutical Company Limited) are some of the leading companies operating in the South & Central America stem cell therapy.

Contents

1. INTRODUCTION

- 1.1 Scope of the Study
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
 - 1.3.1 South & Central America Stem Cell Therapy Market – By Type
 - 1.3.2 South & Central America Stem Cell Therapy Market – By Treatment
 - 1.3.3 South & Central America Stem Cell Therapy Market – By Application
 - 1.3.4 South & Central America Stem Cell Therapy Market – By End User
 - 1.3.5 South & Central America Stem Cell Therapy Market – By Country

2. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET – KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET– MARKET LANDSCAPE

- 4.1 Overview
- 4.2 South & Central America PEST Analysis
- 4.3 Experts Opinion

5. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Research Activities Related to Stem Cell Therapy for Effective Disease Management
 - 5.1.2 Growing Prevalence of Cancer
- 5.2 Market Restraints
 - 5.2.1 High Cost of Approved Treatments

5.3 Market Opportunities

5.3.1 Use of Induced Pluripotent Stem Cells in Regenerative Medicines

5.4 Future Trends

5.4.1 Research Activities and Product Innovations

5.5 Impact Analysis

6. STEM CELL THERAPY MARKET – SOUTH & CENTRAL AMERICA ANALYSIS

6.1 South & Central America Stem Cell Therapy Market Revenue Forecast and Analysis

7. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET – REVENUE AND FORECAST TO 2028 – BY TYPE

7.1 Overview

7.2 South & Central America Stem Cell Therapy Market Revenue Share, by Type 2021 & 2028 (%)

7.3 Adult Stem Cell Therapy

7.3.1 Overview

7.3.2 Adult Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

7.3.3 Hematopoietic Stem Cell Therapy

7.3.3.1 Overview

7.3.3.2 Hematopoietic Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

7.3.4 Umbilical Cord Stem Cell Therapy

7.3.4.1 Overview

7.3.4.2 Umbilical Cord Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

7.3.5 Neuronal Stem Cell Therapy

7.3.5.1 Overview

7.3.5.2 Neuronal Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

7.3.6 Mesenchymal Stem Cell

7.3.6.1 Overview

7.3.6.2 Mesenchymal Stem Cell: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

7.4 Embryonic Stem Cell Therapy

7.4.1 Overview

7.4.2 Embryonic Stem Cell Therapy: South & Central America Stem Cell Therapy

Market – Revenue and Forecast to 2028 (US\$ Million)

7.5 Induced Pluripotent Stem Cell Therapy

7.5.1 Overview

7.5.2 Induced Pluripotent Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

7.6 Other Stem Cell Therapy

7.6.1 Overview

7.6.2 Other Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

8. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET ANALYSIS AND FORECASTS TO 2028 – BY TREATMENT

8.1 Overview

8.2 South & Central America Stem Cell Therapy Market, by Treatment 2021 & 2028 (%)

8.3 Allogeneic

8.3.1 Overview

8.3.2 Allogeneic: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

8.4 Autologous

8.4.1 Overview

8.4.2 Autologous: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

9. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET ANALYSIS AND FORECASTS TO 2028 – BY APPLICATION

9.1 Overview

9.2 South & Central America Stem Cell Therapy Market, by Application 2021 & 2028 (%)

9.3 Musculoskeletal

9.3.1 Overview

9.3.2 Musculoskeletal: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

9.4 Dermatology

9.4.1 Overview

9.4.2 Dermatology: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

9.5 Cardiology

9.5.1 Overview

9.5.2 Cardiology: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

9.6 Drug Discovery and Development

9.6.1 Overview

9.6.2 Drug Discovery and Development: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

9.7 Other Applications

9.7.1 Overview

9.7.2 Other Applications: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

10. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET – REVENUE AND FORECAST TO 2028 – BY END USER

10.1 Overview

10.2 South & Central America Stem Cell Therapy Market Revenue Share, by End User 2021 & 2028 (%)

10.3 Academic & Research Institutes

10.3.1 Overview

10.3.2 Academic & Research Institutes: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

10.4 Hospitals & Specialty Clinics

10.4.1 Overview

10.4.2 Hospitals & Specialty Clinics: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

11. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET – REVENUE AND FORECAST TO 2028 – COUNTRY ANALYSIS

11.1 Overview

11.1.1 South and Central America: Stem Cell Therapy Market, by Country, 2021 & 2028(%)

11.1.1.1 Brazil: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

11.1.1.1.1 Brazil: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

11.1.1.1.2 Brazil: Stem Cell Therapy Market, by Type, 2019-2028 (USD Million)

11.1.1.1.2.1 Brazil: Stem Cell Therapy Market, by Adult Stem Cell Therapy,

2019-2028 (USD Million)

11.1.1.1.3 Brazil: Stem Cell Therapy Market, by Treatment, 2019-2028 (USD Million)

11.1.1.1.4 Brazil: Stem Cell Therapy Market, by Application, 2019-2028 (USD Million)

11.1.1.1.5 Brazil: Stem Cell Therapy Market, by End User , 2019-2028 (USD Million)

11.1.1.2 Argentina: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

11.1.1.2.1 Argentina: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

11.1.1.2.2 Argentina: Stem Cell Therapy Market, by Type, 2019-2028 (USD Million)

11.1.1.2.2.1 Argentina: Stem Cell Therapy Market, by Adult Stem Cell Therapy, 2019-2028 (USD Million)

11.1.1.2.3 Argentina: Stem Cell Therapy Market, by Treatment, 2019-2028 (USD Million)

11.1.1.2.4 Argentina: Stem Cell Therapy Market, by Application, 2019-2028 (USD Million)

11.1.1.2.5 Argentina: Stem Cell Therapy Market, by End User , 2019-2028 (USD Million)

11.1.1.3 Rest of South and Central America: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

11.1.1.3.1 Rest of South and Central America: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

11.1.1.3.2 Rest of South and Central America: Stem Cell Therapy Market, by Type, 2019-2028 (USD Million)

11.1.1.3.2.1 Rest of South and Central America: Stem Cell Therapy Market, by Adult Stem Cell Therapy, 2019-2028 (USD Million)

11.1.1.3.3 Rest of South and Central America: Stem Cell Therapy Market, by Treatment, 2019-2028 (USD Million)

11.1.1.3.4 Rest of South and Central America: Stem Cell Therapy Market, by Application, 2019-2028 (USD Million)

11.1.1.3.5 Rest of South and Central America: Stem Cell Therapy Market, by End User , 2019-2028 (USD Million)

12. SOUTH & CENTRAL AMERICA STEM CELL THERAPY MARKET–INDUSTRY LANDSCAPE

12.1 Overview

12.2 Organic Developments

- 12.2.1 Overview
- 12.3 Inorganic Developments
 - 12.3.1 Overview

13. COMPANY PROFILES

13.1 TiGenix NV (Takeda Pharmaceutical Company Limited)

- 13.1.1 Key Facts
- 13.1.2 Business Description
- 13.1.3 Products and Services
- 13.1.4 Financial Overview
- 13.1.5 SWOT Analysis
- 13.1.6 Key Developments

13.2 NuVasive Inc

- 13.2.1 Key Facts
- 13.2.2 Business Description
- 13.2.3 Products and Services
- 13.2.4 Financial Overview
- 13.2.5 SWOT Analysis
- 13.2.6 Key Developments

13.3 Lonza Group AG

- 13.3.1 Business Description
- 13.3.2 Products and Services
- 13.3.3 Financial Overview
- 13.3.4 SWOT Analysis
- 13.3.5 Key Developments

13.4 Smith & Nephew Plc

- 13.4.1 Key Facts
- 13.4.2 Business Description
- 13.4.3 Products and Services
- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments

14. APPENDIX

- 14.1 About The Insight Partners
- 14.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. Brazil Stem Cell Therapy Market, by Type – Revenue and Forecast to 2028 (USD Million)

Table 2. Brazil Stem Cell Therapy Market, by Adult Stem Cell Therapy – Revenue and Forecast to 2028 (USD Million)

Table 3. Brazil Stem Cell Therapy Market, by Treatment – Revenue and Forecast to 2028 (USD Million)

Table 4. Brazil Stem Cell Therapy Market, by Application – Revenue and Forecast to 2028 (USD Million)

Table 5. Brazil Stem Cell Therapy Market, by End-User – Revenue and Forecast to 2028 (USD Million)

Table 6. Argentina Stem Cell Therapy Market, by Type – Revenue and Forecast to 2028 (USD Million)

Table 7. Argentina Stem Cell Therapy Market, by Adult Stem Cell Therapy – Revenue and Forecast to 2028 (USD Million)

Table 8. Argentina Stem Cell Therapy Market, by Treatment – Revenue and Forecast to 2028 (USD Million)

Table 9. Argentina Stem Cell Therapy Market, by Application – Revenue and Forecast to 2028 (USD Million)

Table 10. Argentina Stem Cell Therapy Market, by End-User – Revenue and Forecast to 2028 (USD Million)

Table 11. Rest of South and Central America Stem Cell Therapy Market, by Type – Revenue and Forecast to 2028 (USD Million)

Table 12. Rest of South and Central America Stem Cell Therapy Market, by Adult Stem Cell Therapy – Revenue and Forecast to 2028 (USD Million)

Table 13. Rest of South and Central America Stem Cell Therapy Market, by Treatment – Revenue and Forecast to 2028 (USD Million)

Table 14. Rest of South and Central America Stem Cell Therapy Market, by Application – Revenue and Forecast to 2028 (USD Million)

Table 15. Rest of South and Central America Stem Cell Therapy Market, by End-User – Revenue and Forecast to 2028 (USD Million)

Table 16. Organic Developments in the South & Central America stem cell therapy market

Table 17. Inorganic Developments in the South & Central America stem cell therapy market

Table 18. Glossary of Terms

List Of Figures

LIST OF FIGURES

- Figure 1. South & Central America Stem Cell Therapy Market Segmentation
- Figure 2. South & Central America Stem Cell Therapy Segmentation, By Country
- Figure 3. South & Central America Stem Cell Therapy Market Overview
- Figure 4. Adult Stem Cell Therapy Segment Held Largest Share of Type Segment in South & Central America Stem Cell Therapy Market
- Figure 5. Brazil Is Expected to Show Remarkable Growth During the Forecast Period
- Figure 6. South & Central America (SCAM) PEST Analysis
- Figure 7. Experts Opinion
- Figure 8. South & Central America Stem Cell Therapy Market Impact Analysis of Drivers and Restraints
- Figure 9. South & Central America Stem Cell Therapy Market – Revenue Forecast and Analysis – 2020- 2028
- Figure 10. South & Central America Stem Cell Therapy Market Revenue Share, by Type 2021 & 2028 (%)
- Figure 11. Adult Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 12. Hematopoietic Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 13. Umbilical Cord Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 14. Neuronal Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 15. Mesenchymal Stem Cell: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 16. Embryonic Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 17. Induced Pluripotent Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 18. Other Stem Cell Therapy: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 19. South & Central America Stem Cell Therapy Market, by Treatment 2021 & 2028 (%)
- Figure 20. Allogeneic: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 21. Autologous: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 22. South & Central America Stem Cell Therapy Market, by Application 2021 & 2028 (%)

Figure 23. Musculoskeletal: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 24. Dermatology: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 25. Cardiology: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 26. Drug Discovery and Development: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 27. Other Applications: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 28. Stem Cell Therapy Market Revenue Share, by End User 2021 & 2028 (%)

Figure 29. Academic & Research Institutes: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 30. Hospitals & Specialty Clinics: South & Central America Stem Cell Therapy Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 31. South and Central America Stem Cell Therapy Market, by Key Country – Revenue (2021) (USD Million)

Figure 32. South and Central America: Stem Cell Therapy Market, by Country, 2021 & 2028 (%)

Figure 33. Brazil: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

Figure 34. Argentina: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

Figure 35. Rest of South and Central America: Stem Cell Therapy Market – Revenue and Forecast to 2028 (USD Million)

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