

Global Stem Cells Market Size study & Forecast, by Product (Adult Stem Cells (ASCs), Human Embryonic Stem Cells (HESCs), Induced Pluripotent Stem Cells (iPSCs), Very Small Embryonic Like Stem Cells), By Technology (Cell Acquisition, Cell Production, Cryopreservation, Expansion and Sub-Culture), By Therapy (Autologous, Allogenic), By Application (Regenerative Medicine, Drug Discovery and Development), By End-user (Pharmaceutical and Biotechnology Companies, Hospitals & Cell Banks, Academic & Research Institutes), and Regional Analysis, 2022-2029

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Abstracts

Global Stem Cells Market is valued at approximately USD 11.89 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 11.4% over the forecast period 2022-2029. Stem cells are cells that serve as a repair system for the body and have the potential to develop into various types of cells in the body. These cells are used to cure a wide range of diseases and illnesses in the body. The rising expenditure on the development of precision medicine, the growing focus on clinical trials, and the increasing number of cell therapy production facilities are the key driving factors for market growth around the world.

The need for stem cell therapy in the treatment of several chronic diseases such as cancer, alzheimer's, and parkinson's disease is constantly growing which is fueling the

market demand. According to Alzheimer's Disease International (ADI), more than 55 million people worldwide are estimated to be suffering from dementia as of 2020. Additionally, it is estimated that this number reach 78 million by 2030. Consequentially, stem cells are considered an effective treatment option compared with traditional therapies in the treatment of Alzheimer's Disease and other target ailments, thus, in turn, accelerating the growth of the market. Furthermore, increasing investment in research activities related to stem cell production, storage, and characterization, as well as, surging demand for stem cell banking is anticipated to reinforce the growth of the stem cell market. However, the ethical concern associated with stem cell research and the unavailability of a suitable regulatory framework in certain applications of stem cells is restricting the market growth over the forecast period of 2022-2029.

The key regions considered for the Global Stem Cells Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America dominated the market in terms of revenue, owing to the development of the biotechnology industry, high R&D activities in the field of personalized medicines, and the presence of key market players. Whereas, the Asia Pacific is also expected to grow at the highest growth rate over the forecasting period. Factors such as increasing government funding to accelerate research on stem cells and increasing incidences of target diseases including neurological disorders, cancer, and diabetes are burgeoning the market growth in the forecasting years.

Major market players included in this report are:

Advanced Cell Technology Inc.
STEMCELL Technologies Inc.
Cellular Engineering Technologies Inc.
CellGenix GmbH
PromoCell GmbH
Kite Pharma
Lonza
Cellartis AB
Angel Biotechnology
Brainstorm Cell Therapeutics

Recent Developments in the Market:

In January 2021, Celularity Inc. and GX Acquisition Corp. announced that the companies entered into a collaborative agreement, which aims to boost the production & development of innovative allogeneic cell therapies like CAR T cell therapies that are derived from the postpartum placenta and genetically modified natural killer (NK) cell therapies.

In March 2021, OrganaBio announced the launch of its HematoPAC ASC-cb CD34 hematopoietic stem cell product with the objective of supporting HSC-based allogeneic cell therapies.

Global Stem Cells Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Product, Technology, Therapy, Application, End-user, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Adult Stem Cells (ASCs)

Human Embryonic Stem Cells (HESCs)

Induced Pluripotent Stem Cells (iPSCs)

Very Small Embryonic Like Stem Cells

By Technology:

Cell Acquisition

Cell Production

Cryopreservation

Expansion and Sub-Culture

By Therapy:

Autologous
Allogenic

By Application:
Regenerative Medicine
Drug Discovery and Development

By End-user:
Pharmaceutical and Biotechnology Companies
Hospitals & Cell Banks
Academic & Research Institutes

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
ROLA
Rest of the World

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
 - 1.2.1. Stem Cells Market, by Region, 2019-2029 (USD Billion)
 - 1.2.2. Stem Cells Market, by Product, 2019-2029 (USD Billion)
 - 1.2.3. Stem Cells Market, by Technology, 2019-2029 (USD Billion)
 - 1.2.4. Stem Cells Market, by Therapy, 2019-2029 (USD Billion)
 - 1.2.5. Stem Cells Market, by Application, 2019-2029 (USD Billion)
 - 1.2.6. Stem Cells Market, by End-user, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL STEM CELLS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL STEM CELLS MARKET DYNAMICS

- 3.1. Stem Cells Market Impact Analysis (2019-2029)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Rising expenditure on the development of precision medicine
 - 3.1.1.2. Growing need for stem cell therapy in the treatment of several chronic diseases
 - 3.1.2. Market Challenges
 - 3.1.2.1. Ethical concern associated with stem cell research
 - 3.1.2.2. Unavailability of a suitable regulatory framework in certain applications of stem cells
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Increasing investment in research activities related to stem cells production, storage, and characterization

3.1.3.2. Surging demand for stem cell banking

CHAPTER 4. GLOBAL STEM CELLS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

CHAPTER 6. GLOBAL STEM CELLS MARKET, BY PRODUCT

- 6.1. Market Snapshot
- 6.2. Global Stem Cells Market by Product, Performance - Potential Analysis
- 6.3. Global Stem Cells Market Estimates & Forecasts by Product 2019-2029 (USD Billion)
- 6.4. Stem Cells Market, Sub Segment Analysis
 - 6.4.1. Adult Stem Cells (ASCs)
 - 6.4.2. Human Embryonic Stem Cells (HESCs)
 - 6.4.3. Induced Pluripotent Stem Cells (iPSCs)
 - 6.4.4. Very Small Embryonic Like Stem Cells

CHAPTER 7. GLOBAL STEM CELLS MARKET, BY TECHNOLOGY

- 7.1. Market Snapshot
- 7.2. Global Stem Cells Market by Technology, Performance - Potential Analysis
- 7.3. Global Stem Cells Market Estimates & Forecasts by Technology 2019-2029 (USD Billion)
- 7.4. Stem Cells Market, Sub Segment Analysis
 - 7.4.1. Cell Acquisition
 - 7.4.2. Cell Production
 - 7.4.3. Cryopreservation
 - 7.4.4. Expansion and Sub-Culture

CHAPTER 8. GLOBAL STEM CELLS MARKET, BY THERAPY

- 8.1. Market Snapshot
- 8.2. Global Stem Cells Market by Therapy, Performance - Potential Analysis
- 8.3. Global Stem Cells Market Estimates & Forecasts by Therapy 2019-2029 (USD Billion)
- 8.4. Stem Cells Market, Sub Segment Analysis
 - 8.4.1. Autologous
 - 8.4.2. Allogenic

CHAPTER 9. GLOBAL STEM CELLS MARKET, BY APPLICATION

- 9.1. Market Snapshot
- 9.2. Global Stem Cells Market by Application, Performance - Potential Analysis
- 9.3. Global Stem Cells Market Estimates & Forecasts by Application 2019-2029 (USD Billion)
- 9.4. Stem Cells Market, Sub Segment Analysis
 - 9.4.1. Regenerative Medicine
 - 9.4.2. Drug Discovery and Development

CHAPTER 10. GLOBAL STEM CELLS MARKET, BY END-USER

- 10.1. Market Snapshot
- 10.2. Global Stem Cells Market by End-user, Performance - Potential Analysis
- 10.3. Global Stem Cells Market Estimates & Forecasts by End-user 2019-2029 (USD Billion)
- 10.4. Stem Cells Market, Sub Segment Analysis
 - 10.4.1. Pharmaceutical and Biotechnology Companies

- 10.4.2. Hospitals & Cell Banks
- 10.4.3. Academic & Research Institutes

CHAPTER 11. GLOBAL STEM CELLS MARKET, REGIONAL ANALYSIS

- 11.1. Stem Cells Market, Regional Market Snapshot
- 11.2. North America Stem Cells Market
 - 11.2.1. U.S. Stem Cells Market
 - 11.2.1.1. Product breakdown estimates & forecasts, 2019-2029
 - 11.2.1.2. Technology breakdown estimates & forecasts, 2019-2029
 - 11.2.1.3. Therapy breakdown estimates & forecasts, 2019-2029
 - 11.2.1.4. Application breakdown estimates & forecasts, 2019-2029
 - 11.2.1.5. End-user breakdown estimates & forecasts, 2019-2029
 - 11.2.2. Canada Stem Cells Market
- 11.3. Europe Stem Cells Market Snapshot
 - 11.3.1. U.K. Stem Cells Market
 - 11.3.2. Germany Stem Cells Market
 - 11.3.3. France Stem Cells Market
 - 11.3.4. Spain Stem Cells Market
 - 11.3.5. Italy Stem Cells Market
 - 11.3.6. Rest of Europe Stem Cells Market
- 11.4. Asia-Pacific Stem Cells Market Snapshot
 - 11.4.1. China Stem Cells Market
 - 11.4.2. India Stem Cells Market
 - 11.4.3. Japan Stem Cells Market
 - 11.4.4. Australia Stem Cells Market
 - 11.4.5. South Korea Stem Cells Market
 - 11.4.6. Rest of Asia Pacific Stem Cells Market
- 11.5. Latin America Stem Cells Market Snapshot
 - 11.5.1. Brazil Stem Cells Market
 - 11.5.2. Mexico Stem Cells Market
 - 11.5.3. Rest of Latin America Stem Cells Market
- 11.6. Rest of The World Stem Cells Market

CHAPTER 12. COMPETITIVE INTELLIGENCE

- 12.1. Top Market Strategies
- 12.2. Company Profiles
 - 12.2.1. Advanced Cell Technology Inc.

- 12.2.1.1. Key Information
- 12.2.1.2. Overview
- 12.2.1.3. Financial (Subject to Data Availability)
- 12.2.1.4. Product Summary
- 12.2.1.5. Recent Developments
- 12.2.2. STEMCELL Technologies Inc.
- 12.2.3. Cellular Engineering Technologies Inc.
- 12.2.4. CellGenix GmbH
- 12.2.5. PromoCell GmbH
- 12.2.6. Kite Pharma
- 12.2.7. Lonza
- 12.2.8. Cellartis AB
- 12.2.9. Angel Biotechnology
- 12.2.10. Brainstorm Cell Therapeutics

CHAPTER 13. RESEARCH PROCESS

- 13.1. Research Process
 - 13.1.1. Data Mining
 - 13.1.2. Analysis
 - 13.1.3. Market Estimation
 - 13.1.4. Validation
 - 13.1.5. Publishing
- 13.2. Research Attributes
- 13.3. Research Assumption

List Of Tables

LIST OF TABLES

TABLE 1. Global Stem Cells Market, report scope

TABLE 2. Global Stem Cells Market estimates & forecasts by Region 2019-2029 (USD Billion)

TABLE 3. Global Stem Cells Market estimates & forecasts by Product 2019-2029 (USD Billion)

TABLE 4. Global Stem Cells Market estimates & forecasts by Technology 2019-2029 (USD Billion)

TABLE 5. Global Stem Cells Market estimates & forecasts by Therapy 2019-2029 (USD Billion)

TABLE 6. Global Stem Cells Market estimates & forecasts by Application 2019-2029 (USD Billion)

TABLE 7. Global Stem Cells Market estimates & forecasts by End-user 2019-2029 (USD Billion)

TABLE 8. Global Stem Cells Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 9. Global Stem Cells Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 10. Global Stem Cells Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 11. Global Stem Cells Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 12. Global Stem Cells Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 13. Global Stem Cells Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 14. Global Stem Cells Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 15. Global Stem Cells Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 16. Global Stem Cells Market by segment, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 17. Global Stem Cells Market by region, estimates & forecasts, 2019-2029 (USD Billion)

TABLE 18. U.S. Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 19. U.S. Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

Billion)

TABLE 20. U.S. Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. Canada Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 22. Canada Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. Canada Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. UK Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 25. UK Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. UK Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. Germany Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 28. Germany Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. Germany Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. France Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 31. France Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. France Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Italy Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 34. Italy Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Italy Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. Spain Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 37. Spain Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. Spain Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 39. RoE Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. RoE Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. RoE Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. China Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. China Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. China Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. India Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. India Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. India Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. Japan Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. Japan Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. Japan Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. South Korea Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. South Korea Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. South Korea Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. Australia Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. Australia Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. Australia Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. RoAPAC Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. RoAPAC Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. RoAPAC Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Brazil Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 61. Brazil Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. Brazil Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. Mexico Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 64. Mexico Stem Cells Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. Mexico Stem Cells Market estimates & forecasts by segment 2019-2029

(USD Billion)

TABLE 66. RoLA Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 67. RoLA Stem Cells Market estimates & forecasts by segment 2019-2029
(USD Billion)

TABLE 68. RoLA Stem Cells Market estimates & forecasts by segment 2019-2029
(USD Billion)

TABLE 69. Row Stem Cells Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 70. Row Stem Cells Market estimates & forecasts by segment 2019-2029 (USD
Billion)

TABLE 71. Row Stem Cells Market estimates & forecasts by segment 2019-2029 (USD
Billion)

TABLE 72. List of secondary sources, used in the study of global Stem Cells Market

TABLE 73. List of primary sources, used in the study of global Stem Cells Market

TABLE 74. Years considered for the study

TABLE 75. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final
deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Stem Cells Market, research methodology
 - FIG 2. Global Stem Cells Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Stem Cells Market, key trends 2021
 - FIG 5. Global Stem Cells Market, growth prospects 2022-2029
 - FIG 6. Global Stem Cells Market, porters 5 force model
 - FIG 7. Global Stem Cells Market, pest analysis
 - FIG 8. Global Stem Cells Market, value chain analysis
 - FIG 9. Global Stem Cells Market by segment, 2019 & 2029 (USD Billion)
 - FIG 10. Global Stem Cells Market by segment, 2019 & 2029 (USD Billion)
 - FIG 11. Global Stem Cells Market by segment, 2019 & 2029 (USD Billion)
 - FIG 12. Global Stem Cells Market by segment, 2019 & 2029 (USD Billion)
 - FIG 13. Global Stem Cells Market by segment, 2019 & 2029 (USD Billion)
 - FIG 14. Global Stem Cells Market, regional snapshot 2019 & 2029
 - FIG 15. North America Stem Cells Market 2019 & 2029 (USD Billion)
 - FIG 16. Europe Stem Cells Market 2019 & 2029 (USD Billion)
 - FIG 17. Asia Pacific Stem Cells Market 2019 & 2029 (USD Billion)
 - FIG 18. Latin America Stem Cells Market 2019 & 2029 (USD Billion)
 - FIG 19. Global Stem Cells Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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