

Cell Expansion Market Size, Share & Trends Analysis Report By Product (Instruments, Consumables), By Cell Type (Mammalian, Animal), By Application, By End Use, And Segment Forecasts, 2020 - 2027

<https://marketpublishers.com/r/C88DB0AFD058EN.html>

Date: May 2020

Pages: 170

Price: US\$ 5,950.00 (Single User License)

ID: C88DB0AFD058EN

Abstracts

Cell Expansion Market Growth & Trends

The global cell expansion market size is expected to reach USD 39.7 billion by 2027 registering a CAGR of 9.4%, according to a new report by Grand View Research, Inc. Cell expansion techniques are increasingly employed for the development of cellular and gene therapies from a single cord blood collection. These techniques can also be used for the expansion of stored Stem Cells (SCs) for the development of cancer therapies. Therefore, significant developments in cord blood SCs expansion technologies are expected to boost market growth.

Companies have made heavy investments for the expansion of tissue-engineered products and the development of biologics. For instance, in March 2019, Merck KGaA invested USD 168 million for the expansion of its biologics manufacturing facility in Switzerland. Such initiatives are expected to boost the demand for solutions required for biologic development, thereby leading to market growth.

Bioreactors are fundamental tools in this market. Extensive research studies related to the applications of bioreactor engineering approaches have led to the incorporation of novel culture technologies. Moreover, the combined use of automated bioreactors with the microcarrier technology leads to an efficient expansion and enrichment of the cancer SCs. As a result, these approaches have gained immense traction in this market.

Cell Expansion Market Report Highlights

Broad portfolio of automated expansion systems along with improvements in bioreactor design for large-scale bioproduction results in the lucrative growth opportunity for instruments

The microbial cells segment is expected to witness the fastest growth rate owing to the implementation of high-throughput cultivation approaches and techniques that avoid the formation of biofilms

Biopharmaceuticals segment held the largest revenue share in 2019 due to growth in the demand for biosimilars, continuous R&D investments in biomanufacturing, and rise in the number of approvals for biologics

Asia Pacific is anticipated to grow at the maximum CAGR from 2020 to 2027 due to presence of several consortiums that focus on the evolving fields in the biomedical industry

For instance, in November 2019, the Cell & Gene Therapy Asia 2019 held in Japan focused on the evolving field of SCs for their deployment in pharmaceutical discovery and cellular therapies

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Scope
 - 1.1.1 Estimates and forecast timeline
- 1.2 Research Methodology
- 1.3 Information Procurement
 - 1.3.1 Purchased database
 - 1.3.2 GVR's internal database
 - 1.3.3 Secondary sources
 - 1.3.4 Primary research
 - 1.3.5 Details of primary research
- 1.4 Information or Data Analysis
 - 1.4.1 Data analysis models
- 1.5 Market Formulation & Validation
- 1.6 Model Details
 - 1.6.1 Commodity flow analysis
 - 1.6.1.1 Approach 1: commodity flow approach
 - 1.6.1.2 Approach 2: Country wise market estimation using bottom up approach
- 1.7 Global Market: CAGR Calculation
- 1.8 List of Secondary Sources
- 1.9 List of Primary Sources
- 1.10 Objectives
 - 1.10.1 Objective 1:
 - 1.10.2 Objective 2:
- 1.11 Market Scope & Segment Definition
 - 1.11.1 Market definitions

CHAPTER 2 CELL EXPANSION MARKET: EXECUTIVE SUMMARY

- 2.1 Cell Expansion Market: Market Outlook
- 2.2 Cell Expansion Market: Market Segmentation
- 2.3 Cell Expansion Market: Competitive Insights
- 2.4 Market Summary

CHAPTER 3 CELL EXPANSION MARKET: MARKET VARIABLES, TRENDS & SCOPE

3.1 Cell Expansion Market Lineage Outlook

3.1.1 Parent market outlook

3.2 Penetration & Growth Prospect Mapping for Cell Expansion Instruments, 2019

3.3 Market Dynamics

3.3.1 Market driver analysis

3.3.1.1 Growing trends of tissue engineering, regenerative medicine, and biopharmaceuticals

3.3.1.2 Technological advancements in the field of cell culturing

3.3.1.3 Increase in funding for cell-based research

3.3.1.4 Advantages of single-use technologies for commercial manufacturing of cell-based products

3.3.2 Market restraint analysis

3.3.2.1 Challenges in the governance of cell-based therapies

3.3.2.2 Ethical concern regarding cell expansion procedures

3.4 Business Environment Analysis

3.4.1 Cell expansion market: SWOT analysis; by factor (political & legal, economic and technological)

3.4.2 Porter's five forces analysis

3.5 Major Deals and Strategic Alliances Analysis

3.5.1.1 New product launch

3.5.1.2 Mergers and acquisitions

3.5.1.3 Business expansion

3.5.1.4 Partnerships & collaborations

3.6 Market entry strategies

CHAPTER 4 CELL EXPANSION MARKET PRODUCTS MOVEMENT ANALYSIS

4.1 Cell Expansion Market: Products Movement Analysis

4.2 Consumables

4.2.1 Global cell expansion consumables market, 2016 - 2027 (USD Million)

4.2.2 Reagents, media, & serum

4.2.2.1 Global cell expansion reagents, media & serum market, 2016 - 2027 (USD Million)

4.2.3 Other consumables

4.2.3.1 Global cell expansion other consumables market, 2016 - 2027 (USD Million)

4.3 Culture flasks and accessories

4.3.1 Global cell expansion culture flasks and accessories market, 2016 - 2027 (USD Million)

4.3.2 Tissue Culture Flasks

- 4.3.2.1 Global cell expansion tissue culture flasks market, 2016 - 2027 (USD Million)
- 4.3.3 Bioreactor accessories
 - 4.3.3.1 Global cell expansion bioreactor accessories market, 2016 - 2027 (USD Million)
- 4.3.4 Other Culture flasks and accessories
 - 4.3.4.1 Global cell expansion other Culture flasks and accessories market, 2016 - 2027 (USD Million)
- 4.4 Instruments
 - 4.4.1 Global cell expansion instruments market, 2016 - 2027 (USD Million)
 - 4.4.2 Automated cell expansion systems
 - 4.4.2.1 Global automated cell expansion systems market, 2016 - 2027 (USD Million)
 - 4.4.3 Cell counters
 - 4.4.3.1 Global cell counters market for cell expansion, 2016 - 2027 (USD Million)
 - 4.4.4 Centrifuges
 - 4.4.4.1 Global cell expansion centrifuges market, 2016 - 2027 (USD Million)
 - 4.4.5 Bioreactor
 - 4.4.5.1 Global cell expansion bioreactor market, 2016 - 2027 (USD Million)
 - 4.4.6 Other instruments
 - 4.4.6.1 Global cell expansion other instruments market, 2016 - 2027 (USD Million)

CHAPTER 5 CELL EXPANSION MARKET CELL TYPE MOVEMENT ANALYSIS

5.1 Cell Expansion Market: Cell Type Movement Analysis

5.2 Mammalian Cells

- 5.2.1 Global mammalian cells market for cell expansion, 2016 - 2027 (USD Million)
- 5.2.2 Human Cells
 - 5.2.2.1 Global human cells market for cell expansion, 2016 - 2027 (USD Million)
 - 5.2.2.2 Stem Cells
 - 5.2.2.2.1 Global human stem cells market for cell expansion, 2016 - 2027 (USD Million)
 - 5.2.2.2.2 Adult Stem Cells
 - 5.2.2.2.2.1 Global adult stem cells market for cell expansion, 2016 - 2027 (USD Million)
 - 5.2.2.2.3 Embryonic Stem Cells
 - 5.2.2.2.3.1 Global embryonic stem cells market for cell expansion, 2016 - 2027 (USD Million)
 - 5.2.2.2.4 Induced Pluripotent Stem Cells
 - 5.2.2.2.4.1 Global induced pluripotent stem cells market for cell expansion, 2016 - 2027 (USD Million)

5.2.2.3 Differentiated cells

5.2.2.3.1 Global human differentiated cells market for cell expansion, 2016 - 2027
(USD Million)

5.2.3 Animal Cells

5.2.3.1 Global animal cells market for cell expansion, 2016 - 2027 (USD Million)

5.3 Microbial Cells

5.3.1 Global microbial cells market for cell expansion, 2016 - 2027 (USD Million)

5.4 Others

5.4.1 Global others market for cell expansion, 2016 - 2027 (USD Million)

CHAPTER 6 CELL EXPANSION MARKET APPLICATION MOVEMENT ANALYSIS

6.1 Cell Expansion Market: Application Movement Analysis

6.2 Biopharmaceuticals

6.2.1 Global cell expansion market for biopharmaceuticals, 2016 - 2027 (USD Million)

6.3 Tissue Culture & Engineering

6.3.1 Global cell expansion market for tissue culture & engineering, 2016 - 2027 (USD Million)

6.4 Vaccine Production

6.4.1 Global cell expansion market for vaccine production, 2016 - 2027 (USD Million)

6.5 Drug Development

6.5.1 Global cell expansion market for drug development, 2016 - 2027 (USD Million)

6.6 Gene Therapy

6.6.1 Global cell expansion market for gene therapy, 2016 - 2027 (USD Million)

6.7 Cancer Research

6.7.1 Global cell expansion market for cancer research, 2016 - 2027 (USD Million)

6.8 Stem Cell Research

6.8.1 Global cell expansion market for stem cell research, 2016 - 2027 (USD Million)

6.9 Others

6.9.1 Global cell expansion market for other applications, 2016 - 2027 (USD Million)

CHAPTER 7 CELL EXPANSION MARKET END-USE MOVEMENT ANALYSIS

7.1 Cell Expansion Market: End-use Movement Analysis

7.2 Biotechnology & Biopharmaceutical Companies

7.2.1 Global cell expansion market for biotechnology & biopharmaceutical companies, 2016 - 2027 (USD Million)

7.3 Research Institutes

7.3.1 Global cell expansion market for research institutes, 2016 - 2027 (USD Million)

7.4 Cell Banks

7.4.1 Global cell expansion market for cell banks, 2016 - 2027 (USD Million)

7.5 Others

7.5.1 Global cell expansion Market for others, 2016 - 2027 (USD Million)

CHAPTER 8 CELL EXPANSION MARKET REGIONAL MOVEMENT ANALYSIS

8.1 Cell Expansion Market: Regional Movement Analysis, 2019 & 2027

8.2 North America

8.2.1 North America cell expansion market estimates and forecast, 2016 - 2027 (USD Million)

8.2.2 U.S.

8.2.2.1 U.S. cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.2.2.2 U.S. cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.2.2.3 U.S. cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.2.2.4 U.S. cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

8.2.2 Canada

8.3.2.1 Canada cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.3.2.2 Canada cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.3.2.3 Canada cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.3.2.4 Canada cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

8.3 Europe

8.3.1 Europe cell expansion market estimates and forecast, 2016 - 2027 (USD Million)

8.3.2 Germany

8.3.2.1 Germany cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.3.2.2 Germany cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.3.2.3 Germany cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.3.2.4 Germany cell expansion market estimates and forecast, by end-use, 2016 -

2027 (USD Million)

8.3.3 U.K.

8.3.3.1 U.K. cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.3.3.2 U.K. cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.3.3.3 U.K. cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.3.3.4 U.K. cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

8.4 Asia Pacific

8.4.1 Asia Pacific cell expansion market estimates and forecast, 2016 - 2027 (USD Million)

8.4.2 Japan

8.4.2.1 Japan cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.4.2.2 Japan cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.4.2.3 Japan cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.4.2.4 Japan cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

8.4.3 China

8.4.3.1 China cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.4.3.2 China cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.4.3.3 China cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.4.3.4 China cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

8.5 Latin America

8.5.1 Latin America cell expansion market estimates and forecast, 2016 - 2027 (USD Million)

8.5.2 Brazil

8.5.2.1 Brazil cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.5.2.2 Brazil cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.5.2.3 Brazil cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.5.2.4 Brazil cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

8.6 Middle East and Africa (MEA)

8.6.1 Middle-East and Africa (MEA) cell expansion market estimates and forecast, 2016 - 2027 (USD Million)

8.6.2 South Africa

8.6.2.1 South Africa cell expansion market estimates and forecast, by product, 2016 - 2027 (USD Million)

8.6.2.2 South Africa cell expansion market estimates and forecast, by cell type, 2016 - 2027 (USD Million)

8.6.2.3 South Africa cell expansion market estimates and forecast, by application, 2016 - 2027 (USD Million)

8.6.2.4 South Africa cell expansion market estimates and forecast, by end-use, 2016 - 2027 (USD Million)

CHAPTER 9 CELL EXPANSION MARKET: COMPETITIVE LANDSCAPE

9.1 Recent Developments & Impact Analysis, by Key Market Participants

9.1.1 Company/competition categorization (key innovators, market leaders, emerging players)

9.2 Public Companies

9.2.1 Penetration & growth prospect mapping for prominent industry players, 2019

9.3 Private Companies

9.3.1 List of key emerging companies

9.4 Strategy Framework

9.5 Market Participation Categorization

9.6 Company Profiles

9.6.1 Thermo Fisher Scientific Inc.

9.6.1.1 Company overview

9.6.1.2 Financial Performance

9.6.1.3 Product benchmarking

9.6.1.4 Strategic initiatives

9.6.2 Merck KGaA

9.6.2.1 Company overview

9.6.2.2 Financial Performance

9.6.2.3 Product benchmarking

9.6.2.4 Strategic initiatives

9.6.3 Becton, Dickinson and Company

- 9.6.3.1 Company overview
- 9.6.3.2 Financial Performance
- 9.6.3.3 Product benchmarking
- 9.6.3.4 Strategic initiatives

9.6.4 Sartorius AG

- 9.6.4.1 Company overview
- 9.6.4.2 Financial Performance
- 9.6.4.3 Product benchmarking
- 9.6.4.4 Strategic initiatives

9.6.5 Corning, Inc.

- 9.6.5.1 Company overview
- 9.6.5.2 Financial Performance
- 9.6.5.3 Product benchmarking
- 9.6.5.4 Strategic initiatives

9.6.6 GE Healthcare

- 9.6.6.1 Company overview
- 9.6.6.2 Financial Performance
- 9.6.6.3 Product benchmarking
- 9.6.6.4 Strategic initiatives

9.6.7 STEMCELL Technologies Inc.

- 9.6.7.1 Company overview
- 9.6.7.2 Financial performance
- 9.6.7.3 Product benchmarking
- 9.6.7.4 Strategic initiatives

9.6.8 Takara Bio Inc.

- 9.6.8.1 Company overview
- 9.6.8.2 Financial Performance
- 9.6.8.3 Product benchmarking
- 9.6.8.4 Strategic initiatives

9.6.9 Miltenyi Biotec GmbH

- 9.6.9.1 Company overview
- 9.6.9.2 Financial Performance
- 9.6.9.3 Product benchmarking
- 9.6.9.4 Strategic initiatives

9.6.10 Terumo Corporation

- 9.6.10.1 Company overview
- 9.6.10.2 TERUMO BCT, INC.
 - 9.6.10.2.1 Company overview

9.6.10.3 Financial Performance

9.6.10.4 Product benchmarking

9.6.10.5 Strategic initiatives

List Of Tables

LIST OF TABLES

TABLE 1 List of secondary sources

TABLE 2 Comparison between human primary cells and cell lines

TABLE 3 Cancer incidence and mortality, by region, 2018

TABLE 4 North America cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 5 North America cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 6 North America cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 7 North America cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 8 North America cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 9 North America mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 10 North America human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 11 North America stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 12 North America cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 13 North America cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 14 U.S. cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 15 U.S. cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 16 U.S. cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 17 U.S. cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 18 U.S. cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 19 U.S. mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 20 U.S. human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 21 U.S. stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 22 U.S. cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 23 U.S. cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 24 Canada cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 25 Canada cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 26 Canada cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 27 Canada cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 28 Canada cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 29 Canada mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 30 Canada human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 31 Canada stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 32 Canada cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 33 Canada cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 34 Europe cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 35 Europe cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 36 Europe cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 37 Europe cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 38 Europe cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 39 Europe mammalian cell market estimates and forecasts, by type, 2016 -

2027 (USD Million)

TABLE 40 Europe human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 41 Europe stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 42 Europe cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 43 Europe cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 44 Germany cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 45 Germany cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 46 Germany cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 47 Germany cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 48 Germany cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 49 Germany mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 50 Germany human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 51 Germany stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 52 Germany cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 53 Germany cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 54 U.K. cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 55 U.K. cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 56 U.K. cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 57 U.K. cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 58 U.K. cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 59 U.K. mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 60 U.K. human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 61 U.K. stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 62 U.K. cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 63 U.K. cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 64 Asia-Pacific cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 65 Asia-Pacific cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 66 Asia-Pacific cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 67 Asia-Pacific cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 68 Asia Pacific cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 69 Asia Pacific mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 70 Asia-Pacific human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 71 Asia-Pacific stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 72 Asia-Pacific cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 73 Asia-Pacific cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 74 Japan cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 75 Japan cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 76 Japan cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 77 Japan cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 78 Japan cell expansion market estimates and forecasts, by cell type, 2016 -

2027 (USD Million)

TABLE 79 Japan mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 80 Japan human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 81 Japan stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 82 Japan cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 83 Japan cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 84 China cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 85 China cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 86 China cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 87 China cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 88 China cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 89 China mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 90 China human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 91 China stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 92 China cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 93 China cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 94 Latin America cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 95 Latin America cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 96 Latin America cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 97 Latin America cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 98 Latin America cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 99 Latin America mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 100 Latin America human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 101 Latin America stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 102 Latin America cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 103 Latin America cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 104 Brazil cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 105 Brazil cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 106 Brazil cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 107 Brazil cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 108 Brazil cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 109 Brazil mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 110 Brazil human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 111 Brazil stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 112 Brazil cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 113 Brazil cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 114 MEA cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 115 MEA cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 116 MEA cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 117 MEA cell expansion instruments market estimates and forecasts, by type,

2016 - 2027 (USD Million)

TABLE 118 MEA cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 119 MEA mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 120 MEA human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 121 MEA stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 122 MEA cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 123 MEA cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 124 South Africa cell expansion market estimates and forecasts, by product, 2016 - 2027 (USD Million)

TABLE 125 South Africa cell expansion consumables market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 126 South Africa cell expansion Culture flasks and accessories market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 127 South Africa cell expansion instruments market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 128 South Africa cell expansion market estimates and forecasts, by cell type, 2016 - 2027 (USD Million)

TABLE 129 South Africa mammalian cell market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 130 South Africa human cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 131 South Africa stem cells market estimates and forecasts, by type, 2016 - 2027 (USD Million)

TABLE 132 South Africa cell expansion market estimates and forecasts, by application, 2016 - 2027 (USD Million)

TABLE 133 South Africa cell expansion market estimates and forecasts, by end-use, 2016 - 2027 (USD Million)

TABLE 134 List of key emerging companies

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Value - chain - based sizing & forecasting
- Fig. 6 QFD modeling for market share assessment
- Fig. 7 Market formulation & validation
- Fig. 8 Commodity flow analysis
- Fig. 9 Estimation of market from parent market
- Fig. 10 Comparison of product types for market revenue shares
- Fig. 11 Comparison of instruments for market revenue shares
- Fig. 12 Percentage of different types of mammalian cells used for biopharmaceutical manufacturing at a commercial scale
- Fig. 13 Percentage of different stem cells used for research study
- Fig. 14 Cell expansion market segmentation
- Fig. 15 Market snapshot (USD Million)
- Fig. 16 Continuous cell culture process
- Fig. 17 Penetration and growth prospect mapping for cell expansion instruments, 2019
- Fig. 18 Market trends & outlook
- Fig. 19 Market driver relevance analysis (Current & future impact)
- Fig. 20 Key future trends in regenerative medicine
- Fig. 21 Market restraint analysis
- Fig. 22 SWOT analysis, by factor (political & legal economic and technological)
- Fig. 23 Porter's Five Forces Analysis
- Fig. 24 Cell expansion market: Products outlook and key takeaways
- Fig. 25 Cell expansion market: Products movement analysis
- Fig. 26 Global cell expansion consumables market, 2016 - 2027 (USD Million)
- Fig. 27 Serum - based media vs serum - free media
- Fig. 28 Global cell expansion reagents, media & serum market, 2016 - 2027 (USD Million)
- Fig. 29 Global cell expansion other consumables market, 2016 - 2027 (USD Million)
- Fig. 30 Global cell expansion culture flasks and accessories market, 2016 - 2027 (USD Million)
- Fig. 31 Global cell expansion tissue culture flasks market, 2016 - 2027 (USD Million)
- Fig. 32 Global cell expansion bioreactor accessories market, 2016 - 2027 (USD Million)

- Fig. 33 Global cell expansion other culture flasks and accessories market, 2016 - 2027 (USD Million)
- Fig. 34 Global cell expansion instruments market, 2016 - 2027 (USD Million)
- Fig. 35 Benefits of automated cell expansion system: Quantum Cell Expansion System
- Fig. 36 Global automated cell expansion systems market, 2016 - 2027 (USD Million)
- Fig. 37 Global cell counters market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 38 Global cell expansion tissue culture flasks market, 2016 - 2027 (USD Million)
- Fig. 39 Global cell expansion bioreactor market, 2016 - 2027 (USD Million)
- Fig. 40 Global cell expansion other instruments market, 2016 - 2027 (USD Million)
- Fig. 41 Cell expansion market: Cell type outlook and key takeaways
- Fig. 42 Cell expansion market: Cell type movement analysis
- Fig. 43 Global mammalian cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 44 Global human cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 45 Global human stem cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 46 Advantages and disadvantages of adult stem cells
- Fig. 47 Global adult stem cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 48 Global embryonic stem cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 49 Global induced pluripotent stem cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 50 Global human differentiated cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 51 Global animal cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 52 Global microbial cells market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 53 Global others market for cell expansion, 2016 - 2027 (USD Million)
- Fig. 54 Cell expansion market: Application outlook and key takeaways
- Fig. 55 Cell expansion market: Application movement analysis
- Fig. 56 Comparison of the biomanufacturing trends from 2015 to 2019 (in percentage)
- Fig. 57 Global cell expansion market for biopharmaceuticals, 2016 - 2027 (USD Million)
- Fig. 58 Global cell expansion market for tissue culture & engineering, 2016 - 2027 (USD Million)
- Fig. 59 Global cell expansion market for vaccine production, 2016 - 2027 (USD Million)
- Fig. 60 Global cell expansion market for drug development, 2016 - 2027 (USD Million)
- Fig. 61 Applications addressed by the gene therapies clinical trials (1998 - 2017), in percentage
- Fig. 62 Global cell expansion market for gene therapy, 2016 - 2027 (USD Million)
- Fig. 63 Global cell expansion market for cancer research, 2016 - 2027 (USD Million)
- Fig. 64 Global cell expansion market for stem cell research, 2016 - 2027 (USD Million)
- Fig. 65 Global cell expansion market for stem cell research, 2016 - 2027 (USD Million)

- Fig. 66 Cell expansion market: End - use outlook and key takeaways
- Fig. 67 Cell expansion market: End - use movement analysis
- Fig. 68 Global cell expansion market for biotechnology & biopharmaceutical companies, 2016 - 2027 (USD Million)
- Fig. 69 Global cell expansion market for research institutes, 2016 - 2027 (USD Million)
- Fig. 70 Global cell expansion market for research institutes, 2016 - 2027 (USD Million)
- Fig. 71 Global cell expansion market for others, 2016 - 2027 (USD Million)
- Fig. 72 Cell expansion market: Regional outlook and key takeaways
- Fig. 73 Cell expansion market: Regional movement analysis
- Fig. 74 North America
- Fig. 75 North America cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 76 U.S.
- Fig. 77 U.S. cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 78 Canada
- Fig. 79 Canada cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 80 Europe
- Fig. 81 Europe cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 82 Germany
- Fig. 83 Germany cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 84 U.K.
- Fig. 85 U.K. cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 86 Asia - Pacific
- Fig. 87 Asia - Pacific cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 88 Japan
- Fig. 89 Japan cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 90 China
- Fig. 91 China cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 92 Latin America
- Fig. 93 Latin America cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 94 Brazil
- Fig. 95 Brazil cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 96 Middle East & Africa
- Fig. 97 MEA cell expansion market estimates and forecast, 2016 - 2027 (USD Million)
- Fig. 98 South Africa

Fig. 99 South Africa cell expansion market estimates and forecast, 2016 - 2027 (USD Million)

Fig. 100 Competition categorization

Fig. 101 Penetration & growth prospect mapping for prominent industry players, 2019

Fig. 102 Strategy framework

Fig. 103 Market participation categorization

I would like to order

Product name: Cell Expansion Market Size, Share & Trends Analysis Report By Product (Instruments, Consumables), By Cell Type (Mammalian, Animal), By Application, By End Use, And Segment Forecasts, 2020 - 2027

Product link: <https://marketpublishers.com/r/C88DB0AFD058EN.html>

Price: US\$ 5,950.00 (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/C88DB0AFD058EN.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