

# **Primary Cell Culture Market Size, Trends, Analysis, and Outlook By Product (Primary Cells, Reagents and Supplements, Media), By Separation Method (Explant Method, Enzymatic Degradation, Mechanical Separation, Others), By Type (Animal Cells, Human Cells), By Application (Cell & Gene Therapy Development, Vaccine Production, Model System, Virology, Prenatal Diagnosis, Others), by Region, Country, Segment, and Companies, 2024-2030**

<https://marketpublishers.com/r/PDE782F820E5EN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: PDE782F820E5EN

## **Abstracts**

The global Primary Cell Culture market size is poised to register 12.97% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Primary Cell Culture market across By Product (Primary Cells, Reagents and Supplements, Media), By Separation Method (Explant Method, Enzymatic Degradation, Mechanical Separation, Others), By Type (Animal Cells, Human Cells), By Application (Cell & Gene Therapy Development, Vaccine Production, Model System, Virology, Prenatal Diagnosis, Others).

The Primary Cell Culture market is witnessing robust growth due to the expanding applications of primary cells in biomedical research, drug discovery, and regenerative medicine, along with technological advancements enabling the isolation, culture, and characterization of primary cell populations from various tissues and species. Primary cell culture involves the propagation of cells directly isolated from living organisms without immortalization or genetic modification, preserving their physiological relevance and functional characteristics. Factors such as the increasing demand for physiologically relevant cell models, the growing interest in personalized medicine and

precision oncology, and the development of advanced culture media formulations and culture substrates optimized for primary cell growth are driving market expansion. Additionally, advancements in cell isolation techniques, such as enzymatic digestion and tissue dissociation, along with the establishment of standardized protocols and quality control measures for primary cell culture, are fueling innovation in the market. Moreover, the expanding utility of primary cells in disease modeling, drug toxicity screening, and cell-based therapies, the rising investments in biobanking infrastructure and primary cell bioprocessing technologies, and the increasing adoption of 3D cell culture and organoid models are driving market growth. Furthermore, efforts to improve primary cell culture reproducibility, enhance cell banking and distribution networks, and address challenges associated with primary cell sourcing and authentication are expected to further propel market growth in the foreseeable future.

### Primary Cell Culture Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Primary Cell Culture market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Primary Cell Culture survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Primary Cell Culture industry.

### Key market trends defining the global Primary Cell Culture demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Primary Cell Culture Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Primary Cell Culture industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Primary Cell Culture companies scaling up production in

these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Primary Cell Culture industry

Leading Primary Cell Culture companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Primary Cell Culture companies.

Primary Cell Culture Market Study- Strategic Analysis Review

The Primary Cell Culture market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Primary Cell Culture Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Primary Cell Culture industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Primary Cell Culture Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

**North America Primary Cell Culture Market Size Outlook- Companies plan for focused investments in a changing environment**

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Primary Cell Culture market segments. Similarly, Strong end-user demand is encouraging Canadian Primary Cell Culture companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Primary Cell Culture market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe Primary Cell Culture Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities**

The German industry remains the major market for companies in the European Primary Cell Culture industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Primary Cell Culture market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

**Asia Pacific Primary Cell Culture Market Size Outlook- an attractive hub for opportunities for both local and global companies**

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Primary Cell Culture in Asia Pacific. In particular, China, India, and South East Asian Primary Cell Culture

markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

**Latin America Primary Cell Culture Market Size Outlook-** Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

**Middle East and Africa Primary Cell Culture Market Size Outlook-** continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Primary Cell Culture market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Primary Cell Culture.

**Primary Cell Culture Market Company Profiles**

The global Primary Cell Culture market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Thermo Fisher Scientific Inc, Lonza, Merck, Corning Incorporated, Danaher , PromoCell GmbH, ATCC, FUJIFILM Irvine Scientific Inc, Mattek, Axol Bioscience Ltd

**Recent Primary Cell Culture Market Developments**

The global Primary Cell Culture market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Primary Cell Culture Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

### Market Segmentation:

Product

Primary Cells

-Fat Cells

-Blood Cells

-Nerve Cells

-Bone Cells

-Endothelial Cells

-Skin Cells

-Muscle Cells

-Stem Cells

-Others

## Reagents and Supplements

-Attachment Solutions

-Buffers and Salts

-Sera

-Growth Factors and Cytokines

-Others

## Media

-Fat Cells Media

-Blood Cells Media

-Nerve Cells Media

-Bone Cells Media

-Endothelial Cells Media

-Skin Cells Media

-Muscle Cells Media

-Stem Cells Media

-Others

By Separation Method

Explant Method

Enzymatic Degradation

-Trypsin

-Collagenase

-Protease

-Pronase

-Dispase

-Hyaluronidase

-Neuraminidase

-Elastase

-DNase

-Papain

-Accutase

-Others

Mechanical Separation

Others



## By Type

Animal Cells

Human Cells

## By Application

Cell & Gene Therapy Development

Vaccine Production

Model System

Virology

Prenatal Diagnosis

Others

## Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Thermo Fisher Scientific Inc

Lonza

Merck

Corning Incorporated

Danaher

PromoCell GmbH

ATCC

FUJIFILM Irvine Scientific Inc

Mattek

Axol Bioscience Ltd

Formats Available: Excel, PDF, and PPT

## Contents

### 1. EXECUTIVE SUMMARY

- 1.1 Primary Cell Culture Market Overview and Key Findings, 2024
- 1.2 Primary Cell Culture Market Size and Growth Outlook, 2021- 2030
- 1.3 Primary Cell Culture Market Growth Opportunities to 2030
- 1.4 Key Primary Cell Culture Market Trends and Challenges
  - 1.4.1 Primary Cell Culture Market Drivers and Trends
  - 1.4.2 Primary Cell Culture Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Primary Cell Culture Companies

### 2. PRIMARY CELL CULTURE MARKET SIZE OUTLOOK TO 2030

- 2.1 Primary Cell Culture Market Size Outlook, USD Million, 2021- 2030
- 2.2 Primary Cell Culture Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

### 3. PRIMARY CELL CULTURE MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
  - \* Threat of New Entrants
  - \* Threat of Substitutes
  - \* Intensity of Competitive Rivalry
  - \* Bargaining Power of Buyers
  - \* Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

### 4. PRIMARY CELL CULTURE MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
  - Product
  - Primary Cells
  - Fat Cells

- Blood Cells
- Nerve Cells
- Bone Cells
- Endothelial Cells
- Skin Cells
- Muscle Cells
- Stem Cells
- Others

#### Reagents and Supplements

- Attachment Solutions
- Buffers and Salts
- Sera
- Growth Factors and Cytokines
- Others

#### Media

- Fat Cells Media
- Blood Cells Media
- Nerve Cells Media
- Bone Cells Media
- Endothelial Cells Media
- Skin Cells Media
- Muscle Cells Media
- Stem Cells Media
- Others

#### By Separation Method

##### Explant Method

##### Enzymatic Degradation

- Trypsin
- Collagenase
- Protease
- Pronase
- Dispase
- Hyaluronidase
- Neuraminidase
- Elastase
- DNase
- Papain
- Accutase
- Others

Mechanical Separation

Others

By Type

Animal Cells

Human Cells

By Application

Cell & Gene Therapy Development

Vaccine Production

Model System

Virology

Prenatal Diagnosis

Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

## **5. REGION-WISE MARKET OUTLOOK TO 2030**

5.1 Key Findings for Asia Pacific Primary Cell Culture Market, 2025

5.2 Asia Pacific Primary Cell Culture Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Primary Cell Culture Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Primary Cell Culture Market, 2025

5.5 Europe Primary Cell Culture Market Size Outlook by Type, 2021- 2030

5.6 Europe Primary Cell Culture Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Primary Cell Culture Market, 2025

5.8 North America Primary Cell Culture Market Size Outlook by Type, 2021- 2030

5.9 North America Primary Cell Culture Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Primary Cell Culture Market, 2025

5.11 South America Pacific Primary Cell Culture Market Size Outlook by Type, 2021- 2030

5.12 South America Primary Cell Culture Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Primary Cell Culture Market, 2025

5.14 Middle East Africa Primary Cell Culture Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Primary Cell Culture Market Size Outlook by Application, 2021- 2030

## **6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030**

6.1 US Primary Cell Culture Market Size Outlook and Revenue Growth Forecasts

- 6.2 US Primary Cell Culture Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Primary Cell Culture Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Primary Cell Culture Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Primary Cell Culture Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Primary Cell Culture Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Primary Cell Culture Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Primary Cell Culture Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Primary Cell Culture Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Primary Cell Culture Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Primary Cell Culture Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Primary Cell Culture Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Primary Cell Culture Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Primary Cell Culture Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Primary Cell Culture Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Primary Cell Culture Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Primary Cell Culture Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Primary Cell Culture Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Primary Cell Culture Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Primary Cell Culture Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Primary Cell Culture Industry Drivers and Opportunities

6.41 Africa Market Size Outlook and Revenue Growth Forecasts

6.42 Africa Primary Cell Culture Industry Drivers and Opportunities

## **7. PRIMARY CELL CULTURE MARKET OUTLOOK ACROSS SCENARIOS**

7.1 Low Growth Case

7.2 Reference Growth Case

7.3 High Growth Case

## **8. PRIMARY CELL CULTURE COMPANY PROFILES**

8.1 Profiles of Leading Primary Cell Culture Companies in the Market

8.2 Business Descriptions, SWOT Analysis, and Growth Strategies

8.3 Financial Performance and Key Metrics

Thermo Fisher Scientific Inc

Lonza

Merck

Corning Incorporated

Danaher

PromoCell GmbH

ATCC

FUJIFILM Irvine Scientific Inc

Mattek

Axol Bioscience Ltd

## **9. APPENDIX**

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

## I would like to order

Product name: Primary Cell Culture Market Size, Trends, Analysis, and Outlook By Product (Primary Cells, Reagents and Supplements, Media), By Separation Method (Explant Method, Enzymatic Degradation, Mechanical Separation, Others), By Type (Animal Cells, Human Cells), By Application (Cell & Gene Therapy Development, Vaccine Production, Model System, Virology, Prenatal Diagnosis, Others), by Region, Country, Segment, and Companies, 2024-2030

Product link: <https://marketpublishers.com/r/PDE782F820E5EN.html>

Price: US\$ 3,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/PDE782F820E5EN.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