

Cell Isolation - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Cell Isolation Market size is estimated at USD 15.76 billion in 2025, and is expected to reach USD 30.14 billion by 2030, at a CAGR of 13.85% during the forecast period (2025-2030).

The COVID-19 pandemic has created a lucrative opportunity for researchers to study and understand the new infectious virus and develop treatments and diagnostic tools for it. Several pharmaceutical and biotech giants have been conducting rapid and extensive R&D activities to develop novel vaccines, therapies, and testing kits. This factor has significantly boosted the demand for cell isolation tools in research applications. For instance, in February 2021, the National Institute of Health of the United States launched an initiative worth USD 1.5 billion for over four years to fund investigations on "Long COVID: Long-term Effects of COVID-19". Therefore, due to such developments, the COVID-19 pandemic is expected to significantly impact the market's growth.

Cell isolation plays an important role in various applications, including biologics design and development, therapeutic protein production, in-vitro diagnostics, and other research applications. The rising prevalence of chronic and infectious diseases, such as cancer and COVID-19, and continuous government initiatives to improve the biotechnology industry are the major driving factors contributing to the market's growth. For instance, according to the American Cancer Society's 2021 report, about 1.9 million cancer cases (970,250 in males and 927,910 in females) were diagnosed in 2021 in the United States. Thus, the use of cell isolation products is expected to increase over the years for the detection, diagnosis, and administration of proper therapies to the patient. This factor may, in turn, boost the growth of the market studied.

The new investments in biotechnology and life sciences are also expected to have a significant impact on the growth of the market. These new investments may drive the demand for cell isolation products and services and lead to advancements in cell isolation technology with ongoing research activities. For instance, in August 2021, Hyderabad (India)-based Sai Life Sciences, a

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

contract R&D and manufacturing organization, revealed its plan of investing about INR 450 crore at its integrated R&D campus in Hyderabad by 2023, to expand and enhance its R&D and manufacturing facilities and other activities.

Technological advancements and innovations in the area of cell isolation or separation are expected to augment the growth of the market. These advancements may increase the efficiency of the products and reduce their cost, thus leading to greater adoption of cell isolation products like instruments and kits. For instance, in March 2022, Thermo Fisher Scientific introduced the new, fully-customizable Gibco CTS Xenon Electroporation System, which enables large-scale cell therapy development and clinical manufacturing. Gibco CTS Xenon Electroporation System complements Thermo Fisher Scientific's portfolio of end-to-end cell therapy solutions. Hence, such innovations and product launches are expected to fuel growth in the cell isolation market during the forecast period.

However, factors such as strict regulations and compliance with cell isolation products by different countries are expected to restrain the growth of the cell isolation market during the forecast period.

Cell Isolation Market Trends

Human Cell Segment is Expected to Hold a Significant Market Share in the Cell Isolation Market During the Forecast Period

Rising focus on human and cancer research and varied applications of isolated human cells in biopharmaceutical development, clinical trials, and research are among the major factors contributing to the largest share of the market. Favorable reimbursement policies for personalized medicine in developed countries also boost the demand for human cell isolation. The Cancer Facts and Figures 2022 published by the American Cancer Society, projected that the number of new cancer cases was 1.9 million in the United States in 2022. Thus, the increasing cancer cases are expected to increase the initiatives by the market players which is expected to increase segmental growth over the forecast period.

Various initiatives by key market players are expected to boost the market's growth during the forecast period. For instance, in May 2022, Akadeum Life Sciences Inc. announced the expansion of its cell isolation product portfolio with a new human B cell isolation product and updated protocol for its existing human isolation kits. Similarly, in April 2022, Applied Cells Inc. and STEMCELL Technologies announced their collaboration to deliver a new high-performance cell separation solution that combines Applied Cells' MARS platform with STEMCELL's EasySep immunomagnetic cell separation kits. This partnership will help researchers worldwide to automate and increase the efficiency of isolating high-quality cells from a wide range of sample types, such as whole blood, bone marrow, apheresis products, and dissociated tissue. STEMCELL's cell isolation reagents will broaden the applications of the MARS platform and support the specialized requirements of researchers who need to isolate extremely low-frequency cancer cells from human samples. Thus, factors such as initiatives by key market players are expected to boost the segment's growth.

North America is Expected to Hold a Significant Market Share in the Cell Isolation Market During the Forecast Period

The North American region is expected to occupy a significant share of the cell isolation market due to well-established pharmaceutical and biotech industries and the high adoption of technologically advanced solutions in the United States. Extensive research activities by research universities in the field of cell therapies have also created a huge demand for cell separation solutions.

The high prevalence of chronic and infectious diseases, including the COVID-19 outbreak, has led to an increase in the demand for cell isolation solutions for research and clinical applications. For instance, according to the 2021 report of the International Diabetes Federation, the number of people with diabetes living in North America and the Caribbean region is expected to increase from 50.5 million in 2021 to 63 million by 2045. Additionally, a report published by the Canadian Cancer Society in May 2022

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

estimated that 3,200 Canadians were diagnosed with brain and spinal cord cancer in 2022, and 1,850 men and 1,350 women were diagnosed with the disease. Thus, the demand for cell isolation products is anticipated to increase in North America for therapeutics and research purposes, fueling growth in the market studied.

The United States is expected to hold a significant share of the North American cell isolation market due to the presence of some of the largest pharmaceutical companies in the country, robust life sciences R&D infrastructure, and a high prevalence of chronic diseases in the country. In May 2022, the University of Texas Medical Branch (UTMB) received a USD 56 million grant from the National Institute of Allergy and Infectious Diseases (NIAID). The UTMB partnered with Novartis, dubbed the UTMB-Novartis Alliance for Pandemic Preparedness (UNAPP), focusing on the coronavirus, flavivirus, and henipavirus, three major classes of viruses with pandemic potential. Therefore, due to such developments, the United States is expected to hold a major share of the cell isolation market over the forecast period.

Cell Isolation Industry Overview

The cell isolation market is competitive and consists of several market players offering advanced products in the area. In terms of market share, a few of the major players are currently dominating the market, including Becton, Dickinson & Company, Merck KGaA, Thermo Fisher Scientific, Bio-Rad Laboratories Inc., Terumo Corporation, and Danaher Corporation.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Market Drivers
 - 4.2.1 Increasing Prevalence of Chronic Diseases
 - 4.2.2 Technological Advancement and Innovation in Cell Isolation
- 4.3 Market Restraints
 - 4.3.1 Strict Regulations and Compliances for Cell Separation
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Threat of New Entrants
 - 4.4.2 Bargaining Power of Buyers/Consumers
 - 4.4.3 Bargaining Power of Suppliers
 - 4.4.4 Threat of Substitute Products
 - 4.4.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION (Market Size by Value in USD million)

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.1 By Product
 - 5.1.1 Consumables
 - 5.1.1.1 Reagents and Kits
 - 5.1.1.2 Beads
 - 5.1.1.3 Disposables
 - 5.1.2 Instruments
 - 5.1.2.1 Centrifuges
 - 5.1.2.2 Flow Cytometers
 - 5.1.2.3 Filtration Systems
 - 5.1.2.4 Magnetic-activated Cell Separator Systems
 - 5.1.2.5 Other Instruments
- 5.2 By Type
 - 5.2.1 Human
 - 5.2.2 Animal
- 5.3 By Application
 - 5.3.1 Research Laboratories and Institutes
 - 5.3.2 Biotechnology and Biopharmaceutical Companies
 - 5.3.3 Other Application
- 5.4 Geography
 - 5.4.1 North America
 - 5.4.1.1 United States
 - 5.4.1.2 Canada
 - 5.4.1.3 Mexico
 - 5.4.2 Europe
 - 5.4.2.1 Germany
 - 5.4.2.2 United Kingdom
 - 5.4.2.3 France
 - 5.4.2.4 Italy
 - 5.4.2.5 Spain
 - 5.4.2.6 Rest of Europe
 - 5.4.3 Asia-Pacific
 - 5.4.3.1 China
 - 5.4.3.2 Japan
 - 5.4.3.3 India
 - 5.4.3.4 Australia
 - 5.4.3.5 South Korea
 - 5.4.3.6 Rest of Asia-Pacific
 - 5.4.4 Middle-East and Africa
 - 5.4.4.1 GCC
 - 5.4.4.2 South Africa
 - 5.4.4.3 Rest of Middle-East and Africa
 - 5.4.5 South America
 - 5.4.5.1 Brazil
 - 5.4.5.2 Argentina
 - 5.4.5.3 Rest of South America

6 COMPETITIVE LANDSCAPE

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.1 Company Profiles
 - 6.1.1 Becton, Dickinson & Company
 - 6.1.2 Merck KGaA (Millipore Sigma)
 - 6.1.3 Thermo Fisher Scientific Inc.
 - 6.1.4 Bio-Rad Laboratories Inc.
 - 6.1.5 Terumo Corporation
 - 6.1.6 PluriSelect Life Science UG & Co. KG
 - 6.1.7 Miltenyi Biotec
 - 6.1.8 Danaher Corporation (Cytiva)
 - 6.1.9 STEMCELL Technologies Inc.
 - 6.1.10 Corning Inc.
 - 6.1.11 Akadeum Life Sciences Inc.
 - 6.1.12 Invent Biotechnologies

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Cell Isolation - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts
(2025 - 2030)**

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scott's-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scott's-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-06-09"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com