Primary Cell Culture Market Set for Strong Growth | ATCC, Corning, Lonza, MatTek, Merck, Promocell GmbH

Life Science Research Companies Boost Primary Cell Culture Market

Primary Cell Culture Market size, share

PORTLAND, OREGON, UNITED STATES, February 20, 2023 /EINPresswire.com/ -- The primary cell culture market is a rapidly growing industry with a wide range of applications. The market is primarily driven by the growing demand for cell-based assays in drug discovery and development, as well as the increasing focus on personalized medicine.

There are several factors driving the growth of the primary cell culture market. One of the major factors is the increasing prevalence of chronic diseases, such as cancer, which has led to a rise in the demand for cell-based therapies. Additionally, the need for early and accurate diagnosis of diseases is also driving the market growth.

The market for primary cell culture is also being driven by the increasing focus on regenerative medicine, which involves the use of cells to repair or replace damaged tissues or organs. In addition, the growing use of primary cell culture in toxicology testing and the development of new drugs is also contributing to the market growth.

Geographically, the market is segmented into North America, Europe, Asia Pacific, and the Rest of the World. North America is currently the largest market for primary cell culture, followed by Europe and Asia Pacific. The market in Asia Pacific is expected to grow at a faster rate due to the increasing focus on research and development activities in the region.

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1. ATCC
2. Cell Biologics
3. CellSystems GmbH
4. Corning
5. Creative Bioarray
6. FUJIFILM Irvine Scientific
7. GE Healthcare
8. Irvine Scientific
9. Lonza
10. MatTek Ltd
11. Merck
12. Promocell GmbH
13. Themo Scientific.

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The COVID-19 pandemic has had a significant impact on public health, economies, and social structures worldwide. The virus is primarily spread through respiratory droplets when an infected person talks, coughs, or sneezes, and can also be spread through contact with contaminated surfaces. The most common symptoms of COVID-19 include fever, cough, and difficulty breathing, but the virus can also cause more severe respiratory illness and lead to hospitalization or death, particularly in older adults and people with underlying medical conditions.

Governments and health organizations around the world have implemented various measures to slow the spread of COVID-19, including social distancing, mask-wearing, travel restrictions, and widespread testing and contact tracing. Vaccines have also been developed and authorized for emergency use in many countries, providing hope for a return to more normal activities.

As of February 20, 2023, there have been over 428 million confirmed cases of COVID-19 and over 5.8 million deaths worldwide, according to data from the World Health Organization. The pandemic continues to evolve, and efforts to control the spread of the virus and minimize its impact on public health and the global economy remain ongoing.

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In 2021, Thermo Fisher Scientific Inc. announced launch of a new cell culture medium for the expansion of human T lymphocytes for allogeneic cell therapies. This cultural media can be used in storage of T lymphocytes.

In 2020, Corning launched its 3D clear tissue clearing reagent. This reagent can be used for in-vitro 3D cell culture models such as speroids, organoids, and microtissues.

In 2019, Thermo Fisher announced launch of cell culture media. This media remain stable when stored at room temperature and can be used to promote cell growth by providing nutrients to cells.

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1. What is primary cell culture and how is it different from cell lines?
2. What are the main applications of primary cell culture in research and development?
3. What are the key factors driving growth in the primary cell culture market?
4. What are the challenges and limitations of primary cell culture, and how are they being addressed?
5. What are the different types of primary cells and which are most commonly used in research and development?
6. What are the different methods used to isolate and culture primary cells, and how do they differ in terms of efficacy and cost?
7. What are the different types of primary cell culture media and supplements, and how do they affect cell growth and function?
8. What are the different approaches to 3D cell culture, and how are they being used in drug development and disease modeling?
9. What are the emerging trends in the primary cell culture market, and what impact are they likely to have on the industry?
10. What are the major players in the primary cell culture market, and what are their key strategies for growth and differentiation?

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By product, the market includes primary cells, reagents, supplements, and media. Primary cells are cells that are directly extracted from tissues, whereas cell lines are cells that have been established and cultured in the laboratory over multiple generations. Reagents, supplements, and media are used to support the growth and maintenance of primary cells in culture.

By application, the market can be segmented into vaccine production, stem cell therapy, virology, and others. Primary cell culture is used in the production of vaccines and in the development of stem cell therapies. It is also used in virology research to study the replication and pathogenesis of viruses.

By end user, the market can be segmented into life science research companies, research institutes, and others. Life science research companies include biotechnology and

pharmaceutical companies, while research institutes include academic and government research organizations.

By region, the market can be segmented into North America, Europe, Asia-Pacific, and LAMEA. North America is the largest market for primary cell culture, followed by Europe and Asia-Pacific. The growth of the primary cell culture market is driven by factors such as increasing investments in research and development, rising prevalence of chronic diseases, and growing demand for personalized medicine. However, the high cost of primary cell culture products and the technical challenges associated with primary cell culture can limit market growth.

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