

South Korea Cell Culture Market by Product (Consumables and Instruments), Application (Stem Cell Technology, Cancer Research, Drug Screening and Development, Tissue Engineering & Regenerative Medicine, and Others), and End User (Research Institutes, Pharmaceutical & Biotechnology Companies, and Others): Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

The Saudi Arabia cell culture market accounted for \$216.3 million in 2019, and is expected to reach \$606.4 million by 2027, registering a CAGR of 13.7% from 2020 to 2027.

A cell culture is defined as the distribution of cells in an artificial environment (in vitro). This artificial environment is composed of all the necessary nutrients, ideal temperature, gases, pH, and humidity, which are essential for the growth and proliferation of the cells. The cells for the process are obtained from either plant or animals. Different types of tools and machines are employed in producing a cell culture. These machines are also known as instruments. For instance, some of the instruments, which are used to produce cell culture include bioreactors, cell culture vessels, and others. Further, different types of chemicals are also employed in the production of a cell culture.

These chemicals are also referred as consumables, as they are completely used during the process. Some of the consumables used in the process include sera, reagents, and others. Cell cultures are of a great importance and hence find their use in fields such as cancer research, stem cell technology, and others. For instance, in cancer research, cell

cultures enable investigators to tap a renewable source of stable tumor cells for various experiments. In addition, different types of industries use instruments and consumables to make cell cultures such as research institutes, pharmaceutical & biotechnology companies, and others. The major factors that contribute toward the growth of the cell culture market include surge in prevalence of cancer and rise in adoption of cell culture technique.

Furthermore, factors such as surge in awareness related to the use of cell culture technique in research and increase in research-related funding also help boost the market growth. In addition, surge in cancer-related research is another major factor that fuels the growth of the market. However, high capital investment and lack of infrastructure for cell-based research are anticipated to restrain the cell culture market growth during the forecast period. On the contrary, expected rise in demand for advanced cell culture technologies offers lucrative opportunity for the cell culture market growth.

The South Korea cell culture market is segmented on the basis of product, application, and end user to provide a detailed assessment of the market. By product, the market is divided into consumables and instruments. The consumables segment is further categorized into sera, media, reagents, and bioreactor accessories. The instruments segment is further sub-segmented into bioreactors, cell culture vessels, cell culture storage equipment, and cell culture supporting instruments. The consumables segment dominated the market in terms of revenue in 2019, owing to higher consumption of cell culture consumables along with repeated purchase of cell culture consumables as compared to cell culture instruments.

Based on application, the market is classified into stem cell technology, cancer research, drug screening & development, tissue engineering & regenerative medicine, and others. The tissue engineering & regenerative medicine segment spearheaded the market in 2019, and is expected to continue this trend during the forecast period as tissue engineering specializes in repairing damaged tissues by injecting new one generated by 3D cell culture. This culture methods try to reduce the gap between in vitro and in vivo drug testing models as much as possible. As a result, there are more and more targeted cancer treatment available.

On the basis of end user, the market is divided into research institutes, pharmaceutical & biotechnology companies, and others. The pharmaceutical & biotechnology companies segment led the market in 2019 in terms of value. This is attributed to expansion of major pharmaceutical companies and growing regulatory approvals for the

production of cell culture-based vaccines. Major players operating in the market include Avantor, Inc. (VWR International, LLC), Bio-Rad Laboratories Inc., Corning Incorporated, Danaher Corporation (Cytiva), FUJIFILM Holdings Corporation (FUJIFILM Irvine Scientific, Inc.), Merck KGaA, Miltenyi Biotec B.V. & Co. KG, Sartorius AG, STEMCELL Technologies Inc., and Thermo Fisher Scientific Inc.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the South Korea cell culture market size along with the current trends and future estimations to elucidate the imminent investment pockets

It offers market analysis from 2020 to 2027, which is expected to enable the stakeholders to capitalize on the prevailing opportunities in the market

A comprehensive analysis on country assists to understand the country market and facilitate the strategic business planning and determine prevailing opportunities

The profiles and growth strategies of the key players are thoroughly analyzed to understand the competitive outlook of the South Korea cell culture market growth

KEY MARKET SEGMENTS

By Product

Consumables

Sera

Media

Reagents

Bioreactor Accessories

Instruments

Bioreactors

Cell Culture Vessels

Cell Culture Storage Equipment

Cell Culture Supporting Instruments

By Application

Stem Cell Technology

Cancer Research

Drug Screening and Development

Tissue Engineering & Regenerative Medicine

Others

By End User

Research Institutes

Pharmaceutical & Biotechnology Companies

Others

List of key players profiled in the report

Avantor, Inc. (VWR International, LLC)

Bio-Rad Laboratories Inc.

Corning Incorporated

Danaher Corporation (Cytiva)

FUJIFILM Holdings Corporation (FUJIFILM Irvine Scientific, Inc.)

Merck KGaA

Miltenyi Biotec B.V. & Co. KG

Sartorius AG

STEMCELL Technologies Inc.

Thermo Fisher Scientific Inc.

List of other player in the value chain (profiles not included in the report):

Eppendorf AG

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