Automated Cell Culture Market - Research Report Global forecast till 2023

Description:

Automated Cell Culture Market: By Application (Drug Development, Stem Cell Research, Cancer Research), By Type (Finite And Infinite Cell Line Cultures), By Consumables (Media, Sera And Reagents), And By End User (Biotech Companies, Research Organizations, Academic Institutes)- Global Forecast Till 2023

Market Synopsis of Global Automated Cell Culture

Market scenario

Automated cell cultures grows and maintain cell lines by mechanically controlled procedures. Regular cell culturing involves various procedures such as inoculation—excessive care is required since the procedure is more susceptible to the contamination during the inoculation as well as growth of the cell. Whereas, automated cell culturing minimizes such manual operations during the cellular growth, which reduces the error and time.

In the recent years, rising use of regenerative medicine and increasing R&D in biotechnology on various diseases such as cancer have boosted the demand for the automated cell cultures. As per WHO (2017), cancer caused over 8.8 million deaths across the globe in 2015, which has increased investments in R&D by biotechnology based pharmaceutical companies. This has boosted the market growth.

Increasing R&D in the life-sciences, and rising use of cell based assays in the drug development will boost the market growth over the corresponding period. However, lack of awareness about the advanced techniques and skilled workforce, followed by high cost of the technology will restrain the market growth during the assessment period.

The global market is expected to grow at an estimated CAGR of 8.5% during the forecast period.

Research Methodology
Intended Audience

- Global automated cell culture system manufacturers & suppliers
- Research and development (R&D) companies
- Academic institutes and universities
- Biotech Industries

Figure 1
Global Automated Cell Culture Market by Region, 2016 (% market share)

Segments
The automated cell culture market has been segmented on the basis of application, type, and end user.

Based on the application, the market has been segmented into drug development, stem cell research, regenerative medicine, cancer research, and others.
Based on type, the market has been segmented into finite cell line cultures and infinite cell line cultures.

Based on consumables, the market has been segmented into media, sera, reagents, and others.

Based on the end user, the market has been segmented into biotech companies, research organizations, academic institutes, and others.

**Regional analysis**
The America holds a significant market share due to the presence of developed countries such as the U.S and Canada in the region. These countries have well-developed technology and investments in the R&D by the biotechnology industries.

Europe stands second in the global market as result of high adoption rate of new technologies and well-developed infrastructure.

Asia Pacific region will witness the fastest growth over the review period; China and India expected to be the major contributor to the market growth. Furthermore, India is projected to fuel the regional market owing to increasing demand for R&D and rising government support to the biotechnology based companies likely to boost the market over the corresponding period.

Gulf nations such as Saudi Arabia is estimated to drive the Middle East & African market due to well-developed biotechnology infrastructure and increasing R&D in biotechnology. However, African region is expected to witness a moderate growth owing to poor economic and prevailing political conditions.

**Key Players**
Some of key players profiled in the report are BD., Tecan Trading AG, Sartorius, TAP Biosystems, Cell Culture Company, LLC, Eppendorf AG., Merck KGaA, Hamilton Company., Thermo Fisher Scientific Inc., and OCTANE BIOTECH INC.

The report for Global Automated Cell Culture Market by Market Research Future comprises of extensive primary research along with the detailed analysis of qualitative as well as quantitative aspects by various industry experts, key opinion leaders to gain a deeper insight of the market and industry performance. The report gives a clear picture of the current market scenario which includes past and estimated future market size with respect to value and volume, technological advancement, macro economical and governing factors in the market. The report provides detail information about and strategies used by top key players in the industry. The report also gives a broad study of the different market segments and regions.
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