Microcarrier - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 113 pages | Mordor Intelligence

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Report description:

The Microcarrier Market size is estimated at USD 2.03 billion in 2024, and is expected to reach USD 2.70 billion by 2029, growing at a CAGR of 5.82% during the forecast period (2024-2029).

The microcarrier market is majorly driven by factors such as rising demand for cell-based vaccines and therapeutics, the rapid growth of biologics and biosimilar industry, and increasing R&D and availability of funding for cell therapy research.

Many of the current biologics in the pipeline are targeting the indications, which are small-molecule dominated and have a large patient pool. This represents that in the forecast period the trend of biologics could enter several of the non-traditional biologic disease areas, which could benefit from the increased therapeutic efficacy. Furthermore, this is also providing the room to the biosimilar market to grow.

In terms of medical efficacy, therapeutic spread, and population access biopharmaceuticals have vast potential, and much of this potential is still untapped. This potential can gradually be realized as manufacturing technologies, such as microcarrier based synthesis make progress, which may lead to commercialization of more effective therapies, increased manufacturing efficacy, and reduced therapy costs. Hence, owing to such rapid growth of the biologics and biosimilar industry, the market is positively affected.

Microcarrier Market Trends

Cell Therapy is Expected to Show Fastest Growth by Application, Over the Forecast Period

Microcarriers help in cost-effective cell production i.e they contribute to reducing fixed as well as variable costs during the large scale manufacturing. With technological advancements, the current scenario has changed and the significance of microcarriers in cell therapy has increased. For instance, dissolvable microcarriers are currently there in the market that is composed of cross-linked polysaccharide polymers that can be efficiently dissolved during the cell harvest step. As the microcarriers get completely dissolved, there is no need for the separation and simply, the downstream process goes well. Therefore, these microcarriers are considered as beneficial beads for large scale cell production or cell therapy application.

Along with the above-mentioned statements, another factor that is responsible for the growth of cell therapy applications of microcarriers is that companies are currently focusing on the provision of microcarriers that contribute to the large scale and cost-effective production. For example Corning Incorporated provides dissolvable microcarriers. These factors boost the growth in cell therapy applications.

North America is Expected to Dominate the Market Over the Forecast Period

North America region is believed to have the largest share in the microcarrier market. This is majorly due to the rising gene and cell therapy research in the region along with the associations that are supporting this research. For instance, the American Society of Gene and Cell Therapy is responsible for the funding of the research and also, this society is forcing the biopharmaceutical and biotech companies to improve their R&D.

Along with that, the United States is witnessing high and rapid growth in the biologics and biosimilar Industry which is one of the major factors driving the microcarrier market in this region.

Microcarrier Industry Overview

The Microcarrier market is mostly inclusive of the global players and few companies that are currently dominating the market include Thermo Fisher Scientific, Sartorius AG, Eppendorf AG, Danaher Corporation (Pall Corporation), and Merck KGaA. The competition in the market is expected to increase as new companies are also coming up in the market.

Additional Benefits:

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

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