

# Microcarrier Market anticipated to surpass US\$1,905.292 million by 2030 at a CAGR of 9.32%

*The global microcarrier market is anticipated to grow at a CAGR of 9.32% from US\$1,548.099 million in 2025 to US\$1,905.292 million by 2030.*



NOIDA, UTTAR PRADESH, INDIA, November 12, 2024 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the global [microcarrier market](#) is projected to grow at a CAGR of 9.32% between 2025 and 2030 to reach US\$1,905.292 million by 2030.

An aid matrix called a microcarrier allows more adherent cells to enter bioreactors. In the large-scale commercial production of biologics and vaccines, microcarriers cultivate adherent cellular populations that produce viruses or proteins. The scope of this document states that the microcarrier market consists of various items and equipment such as bioreactors, reagents, cell counters, and living vessels alongside microcarrier beads. The increasing triggering point into the growth of the microcarrier market is an increase in its demand by the populace. Additionally, the market is expected to grow during the forecast period due to the rising demand for vaccinations based on cells.

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The growing prevalence of diseases and disorders like [diabetes](#), most cancers, rheumatoid arthritis, haemophilia, and others, large investments for the development of progressive treatments, and steady technological advancements in cell biology research are all factors contributing to the growth of the microcarriers market. One of the primary causes driving the microcarrier market's expansion is the rising global prevalence of chronic illnesses.

Throughout the forecast period, it is projected that growing research and development efforts aimed at enhancing recent cell-based treatments for the treatment of chronic illnesses will drive a market boom. The increasing demand for monoclonal antibodies throughout the market is a result of the enhanced reputation of focused treatment options for diseases like cancer,

autoimmune disorders, and inflammatory conditions.

Moreover, the microcarrier market is expanding due in part to the expansion of the [cell therapy](#) sector and the enormous demand for biopharmaceutical products. Microcarriers are often used for cell growth as they provide matrixes on which cells proliferate in stem cell therapy. The demand for stem cell therapy for uncommon disorders is growing because of the possible therapeutic roles of mesenchymal & pluripotent stem cells. Cell therapies have massive production needs for these sticky cells hence requiring a lot more microcarrier consumables.

Furthermore, the possibility of developing vaccines within cell cultures has been made a reality by advancements in technology allowing for the timely and large-scale manufacture of vaccines that are even more effective. CDC has reported that Flucelvax Quadrivalent which is an influenza vaccine for adults six months and older based on cell culture technique has been approved by FDA. In addition to the ongoing pandemic, the rising prevalence of infectious and chronic illnesses is anticipated to propel the microcarrier market and produce robust growth over the projected period.

Access sample report or view details: <https://www.knowledge-sourcing.com/report/global-microcarrier-market>

The global microcarrier market, by product type, is divided into five types- Equipment, consumables, reagents, microcarrier beads, and others. The need for consumables is attributed to the frequent acquisition of substantial quantities of media, reagents, and beads for research and development endeavours. Microcarrier beads are the most prevalent among them. Beads have a large surface area that allows them to produce a large number of cells and viruses that can be used to make vaccines. The market expansion in this category is also fuelled by the growing demand for research in the field of regenerative medicine, increased cell biology research, and the availability of multiple beads with varying applications.

The global microcarrier market, by application, is divided into three types- Biopharmaceutical production, cell and gene therapy, and others. The market for microcarriers will see the fastest growth in the cell therapy segment. This explosive growth could be attributed to the fast-progressing areas in regenerative medicine and cell-based healing methods. Microcarriers provide an essential foundation for splitting and scaling the cells applied in new medical procedures. Owing to their adaptability and scalability, microcarriers are preferred for manufacturing cell therapy products, stem-cell-based therapies and immunotherapies as well as tissue engineering applications. The need for microcarriers is rising as cellular therapies receive approvals and more clinical trials are conducted.

The global microcarrier market, by end-users, is divided into three types- Pharmaceuticals & biotechnology companies, research institutes, and contract research organizations. Within the microcarrier industry, pharmaceutical and biotechnology companies command the highest market share. Their dominance can be explained by the fact that they use a lot of microcarriers

for different kinds of packages.

People use microcarriers to produce vaccines, cell-based therapies, and biopharmaceuticals. This allows these companies to increase their production techniques. At the same time, organizations in the field of pharmaceuticals and biotechnology invest heavily in R&D to capitalize on ideas brought about by microcarrier research. These companies have raised the demand for microcarriers, in addition, they are in the development of innovative treatments which entail gene therapies and regenerative medicine.

The North American region is expected to witness significant growth in the global microcarrier market during the forecasted period. This is mostly because of the associations that are supporting this research as well as the growing body of gene and cell therapy research in the area. The American Society of Gene and Cell Therapy funds research and in addition pressurizes biopharmaceuticals as well as biotechs to improve their R&D; thus making it notorious due to many biotech/pharma relationships, good R&D base and university collaborations.

Further, fostering growth in areas including stem cell therapy, vaccine manufacturing as well as biopharmaceutical manufacturing has been possible thanks to the U.S. Microcarrier enterprise's willingness to push the limits of cell therapy as well as biomanufacturing.

The research includes several key players from the global microcarrier market, such as Thermo Fisher Scientific, Corning Incorporated, Sartorius AG, Pall Corporation, Batavia Biosciences B.V., Primorigen Biosciences, Cytiva, Nucleus Biologics, LLC., Merck KGaA, Entegris.

The market analytics report segments the global microcarrier market using the following criteria:

- By Product Type

- o Equipment
- o Consumables
- o Reagents
- o Microcarrier Beads
- o Others

- By Application

- o Biopharmaceutical Production
- o Cell and gene therapy
- o Others

- By End-Users

- o Pharmaceuticals & Biotechnology Companies
- o Research Institutes
- o Contract Research Organizations

- By Geography

- o North America

- USA
- Canada
- Mexico

- o South America

- Brazil
- Argentina
- Others

- o Europe

- United Kingdom
- Germany
- France
- Spain
- Others

- o Middle East and Africa

- Saudi Arabia
- UAE
- Israel
- Others

- o Asia Pacific

- China
- India
- Japan
- South Korea
- Indonesia
- Others

- Companies Mentioned:

- o Thermo Fisher Scientific
- o Corning Incorporated
- o Sartorius AG
- o Pall Corporation
- o Batavia Biosciences B.V.
- o Primorigen Biosciences
- o Cytiva
- o Nucleus Biologics, LLC.
- o Merck KGaA
- o Entegris

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