

# **South & Central America Microcarriers Market Forecast to 2030 - Regional Analysis - by Product (Media & Reagents and Microcarrier Beads), Equipment (Bioreactors, Culture Vessels, and Others), Application (Biopharmaceutical Production, Cell and Gene Therapy, Tissue Engineering and Regenerative Medicine, and Others), and End User (Pharmaceutical and Biotechnology Companies, Contract Research Organizations & Contract Manufacturing Organizations, and Academic & Research Institutes)**

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## **Abstracts**

The South & Central America microcarriers market is expected to grow from US\$ 68.77 million in 2022 to US\$ 129.96 million by 2030. It is estimated to register a CAGR of 8.3% from 2022 to 2030.

Automation of Cell and Gene Therapy Manufacturing Services Drives South & Central America Microcarriers Market

Incorporating automation in cell and gene therapy manufacturing would lead to a reduced risk of contamination, improved consistency, and decreased cost of production. Lonza Cocoon and the CliniMACS Prodigy system from Miltenyi are a few of the devices available in the market that have been designed to enable the automation of most sequential unit operations for a CAR-T process within a single system. The rising demand for cell and gene therapies has shifted production from a small-volume process to a large-volume process worldwide. The progress of cell and gene therapy from an

academic and clinical setting to mass production and commercialization further propels the demand for automation in commercial manufacturing. Thus, automation is emerging as a new trend in the microcarriers market.

## South & Central America Microcarriers Market Overview

The South & Central America microcarriers market is segmented into Brazil, Argentina, and the Rest of South & Central America. A surge in various research activities, rising healthcare expenditure, growing investments in biotechnology, burgeoning incidences of infectious diseases, and government efforts to promote the utilization of immobilized cell culture media to ease the healthcare processes are major factors contributing to the growth of the market. According to a report titled "First Gene Therapy Products Approved in Brazil," published by Law Business Research 2020, Brazil is among the first Latin American countries to approve the marketing of gene therapy products. The Brazilian Health Regulatory Agency (ANVISA) has granted marketing authorization for Novartis' gene therapy products-Luxturna and Zolgensma. Both products were approved by the Brazilian Technical Commission of Biosafety (CTNBio), which is responsible for evaluating the biosafety of genetically modified organisms in Brazil. In September 2021, Sorrento Therapeutics began subject enrolment in the Phase II clinical trial of human allogeneic adipose-derived mesenchymal stem cells (COVI-MSC) for treating COVID-19 patients with acute respiratory distress syndrome (ARDS) or acute respiratory distress (ARD) in Brazil. Thus, such advancements in cell therapy boost the growth of the microcarriers market in Brazil.

## South & Central America Microcarriers Market Revenue and Forecast to 2030 (US\$ Million)

### South & Central America Microcarriers Market Segmentation

The South & Central America microcarriers market is segmented into product, equipment, application, end user, and country.

Based on product, the South & Central America microcarriers market is bifurcated into microcarriers beads and media & reagents. The microcarriers beads segment held a larger share of the South & Central America microcarriers market in 2022.

In terms of equipment, the South & Central America microcarriers market is segmented into bioreactors, culture vessels, and others. The bioreactors segment held the largest share of the South & Central America microcarriers market in 2022.

Based on application, the South & Central America microcarriers market is segmented into biopharmaceutical production, cell and gene therapy, tissue engineering and regenerative medicine, and other. The biopharmaceutical production segment held the largest share of the South & Central America microcarriers market in 2022. Further, biopharmaceutical production segment is categorized into therapeutic protein production and vaccine production.

Based on end user, the North America microcarriers market is segmented into pharmaceutical & biotechnology companies, contract research organizations & contract manufacturing organizations, and academic & research institutes. The pharmaceutical & biotechnology companies segment held the largest share of the North America microcarriers market in 2022.

Based on country, the South & Central America microcarriers market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America microcarriers market in 2022.

Bio-Rad Laboratories Inc, Sartorius AG, Danaher Corp, Eppendorf SE, Asahi Kasei Corp, and Polysciences Inc are some of the leading companies operating in the South & Central America microcarriers market.

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