

Middle East & Africa 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 Middle East & Africa microcarriers market is expected to grow from US\$ 37.07 million in 2022 to US\$ 88.59 million by 2030. It is estimated to register a CAGR of 11.5% from 2022 to 2030.

Need for Cell Therapies with Rising Incidence of Cancer and Infectious Diseases Fuel Middle East & Africa Microcarriers Market

World Health Organization (WHO) states that the global burden of cancer is estimated to rise to 27.5 million new cases and 16.3 million mortalities by 2040. According to World Health Organization (WHO) tuberculosis (TB) is the 13th top cause of death globally and the second leading infectious disease after COVID-19. According to the WHO, there were 1.5 million deaths caused by TB in 2020 (including 214,000 people affected by HIV). In 2020, WHO projected that 10 million people had TB globally, including 1.1 million children, 3.3 million women, and 5.6 million men. TB is present in

all age groups and countries. For instance, lung cancer is among one of the main causes of mortality across the world. Lung cancer screening is a critical component of cancer prevention approaches. The prognosis of lung cancer patients is better when the disease is diagnosed early, so people at high risk of lung cancer are prompted to undergo routine check-ups to detect the formation of cancerous growth in their lungs. The prevalence of lung cancer is extremely high in these nations and is expected to keep rising soon. Furthermore, infectious diseases are caused by infectious agents, such as viruses, bacteria, parasites, fungi, and toxic products. HIV is a major public health issue across the world. According to The Joint United Nations Programme on HIV/AIDS (UNAIDS), ~ 37.7 million people had HIV in 2020 globally. Out of these, 1.7 million were children aged 0-14 years, and 36 million were adults. Also, more than half (53%) were girls and women. 1.5 million new HIV cases were reported in 2020 globally. Similarly, hepatitis is inflammation of the liver caused by a viral infection. The five main strains of hepatitis viruses are A, B, C, D, and E. According to World Health Organization (WHO), around 58 million people across the globe have chronic hepatitis C virus infection, and ~1.5 million new infections occur every year. The increasing incidence of diseases where cell therapy can be effectively applied, such as cancers, urinary problems, autoimmune diseases, and infectious diseases, is associated with the growth of the microcarriers market. Microcarriers are tiny spheres or particles (typically 90-300 µm in diameter) used for culturing adherent cells in stirred-tank bioreactors. With the growing incidence of cancer and various infectious diseases, the need for proper medication and vaccines arises, which favours the microcarriers market growth.

Middle East & Africa Microcarriers Market Overview

The microcarriers market in the Middle East & Africa is sub segmented into the UAE, Saudi Arabia, South Africa, and the Rest of Middle East and Africa. The market is driven by factors such as extensive research projects undertaken by several research institutes, and the availability of infrastructure, the flourishing biotechnology sector, and facilities for research in the UAE and Saudi Arabia. Further, a huge population base, increasing cases of infectious diseases, growing research studies, and upgrading healthcare facilities help propel the microcarriers market growth across the region. Saudi Arabia is a G20 member that falls under the world's 20 major economies. The Saudi economy accounts for ~38% of the total GDP of the Middle East. Over the past half-century, Saudi Arabia has been the third fastest-growing economy in the world. Research and technology are significantly governed by an increasing number of research projects undertaken by institutes such as King Abdullah University of Science and Technology. The healthcare system in the country is rapidly developing with many international companies appointing their medical and research teams in the country. In

September 2022, Gilead established a fully functional cell therapy business unit and CAR T-cell therapy operations in Saudi Arabia. Gilead and Kite Middle East launched the "Saudi Arabia's Vision 2030" in which Kite had selected Saudi Arabia as the first location for Middle East operations. The vision aims to establish a fully functional oncology cell therapy business unit in line with international best-in-class protocols for cancer treatment.

Middle East & Africa Microcarriers Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Microcarriers Market Segmentation

The Middle East & Africa microcarriers market is segmented into product, equipment, application, end user, and country.

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

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

Based on application, the Middle East & Africa 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 Middle East & Africa microcarriers market in 2022. Further, biopharmaceutical production segment is categorized into therapeutic protein production and vaccine production.

Based on end user, the Middle East & Africa 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 Middle East & Africa microcarriers market in 2022.

Based on country, the Middle East & Africa microcarriers market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa 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 Middle East & Africa microcarriers market.

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