

Middle East & Africa GMP Cell Therapy Consumables Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Product (Kits, Reagents/Molecular Biology Reagents, Growth Factors/Cytokines and Interleukins, and Others), Cell Therapy (NK Cell Therapy, Stem Cell Therapy, T-Cell Therapy, and Others), Process (Cell Collection and Characterization/Sorting and Separation, Cell Culture and Expansion/Preparation, Cryopreservation, Cell Processing and Formulation, Cell Isolation and Activation, Cell Distribution/Handling, Process Monitoring and Control/Readministration/Quality Assurance, and Others), and End Use (Clinical, Commercial, and Research)

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Report description:

The Middle East & Africa GMP cell therapy consumables market is expected to grow from US\$ 418.05 million in 2022 to US\$ 1,649.61 million by 2028; it is estimated to grow at a CAGR of 25.6% from 2022 to 2028.

Increasing Clinical Trials and Rising GMP Demand to Fuel Middle East & Africa GMP Cell Therapy

Consumables Market in Coming Years

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Cell therapies are constantly evolving, improving, and providing new treatment options for various disorders, such as cancer, autoimmune disorders, and neurological disorders. Immunotherapy is a new approach to cancer treatment. Cell therapies are currently being evaluated in clinical trials for various cancer types, separately and combined with other treatments. Additionally, the cellular immunotherapy targets and new immunotherapy approaches are investigated through clinical trials. Since 2017, FDA has approved approximately six chimeric antigen receptor (CAR) T-cell therapies for the treatment of blood cancer, including lymphomas, some leukemia forms, and multiple myeloma. More than 500 CAR-T and 17 chimeric antigen receptor natural killer (CAR-NK) cell trials are currently being conducted across the world, including the four CAR-T cell products-Yescarta, Tecartus, Kymriah, and Breyanzi-that are already available in the market. Further, the CAR cellular therapies field is newly developed, and preclinical and clinical studies have already shown remarkable results. It is believed that CAR-based cellular therapies are profoundly promising and will lead the development of approved personalized therapeutic options in the coming years. With new therapeutic modalities emerging in the cell and gene space (CAR-T), companies are required to develop, evaluate, and test these therapies in clinical trials, along with maintaining patient safety. These emerging therapies require a scientific standard of controls and GMPs to ensure patient safety. Thus, it is important to ensure that the equipment used during these processes is compatible with GMP manufacturing environments for cell therapies and that all clinical consumables are manufactured under conditions that fulfill GMP requirements appropriate for the phase and scale of manufacturing. Therefore, the increasing clinical trials in various fields will raise the demand for GMP cell therapy consumables in the coming years, thereby driving the Middle East & Africa GMP cell therapy consumables market .

Middle East & Africa GMP Cell Therapy Consumables Market Overview

The UAE, Saudi Arabia, and South Africa are the three major countries in the Middle East & Africa. Saudi Arabia was the largest market for GMP cell therapy consumables in this region in 2021. The Middle East & Africa GMP cell therapy consumables market is anticipated to grow at a CAGR of 25.6% during the forecast period; this growth is attributed to the rising healthcare expenditure and increasing government initiatives in funding and healthcare-related policies. The UAE is a developed country in the Gulf Cooperation Council (GCC) that is focused on creating world-class health facilities. The healthcare facilities in the UAE expanded significantly in the last few years as the UAE government is collaborating with US-based companies and healthcare facilities, improving healthcare facilities, services, and patient care by providing cutting-edge technologies. The UAE government mostly funds the country's healthcare system. According to the International Trade Administration US Department of Commerce, healthcare spending in UAE is forecasted to rise to US\$ 18.3 billion by 2023. Additionally, the Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT) reported that medical tourism is expanding in the UAE. The medical tourism industry in the UAE generated AED 12.1 billion (US\$ 3.29 billion) in 2018, witnessing a 5.5% annual growth rate. The country recorded ~350,118 visitors, registering a rise of 4% in health tourism arrivals in 2019 from the previous year. It is anticipated that this will rise to 500,000 medical tourists per year. Further, the growing population in the country is prone to various infections and diseases, including cancer, creating immense demand for cell-based therapies. Thus, the increasing medical tourism, rising government expenditure, and growing adoption of cell therapies will increase the demand for GMP cell therapy consumables and propel the growth of the GMP cell therapy consumables market in the UAE during the forecast period.

Middle East & Africa GMP Cell Therapy Consumables Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa GMP Cell Therapy Consumables Market Segmentation

The Middle East & Africa GMP cell therapy consumables market is segmented based on product, cell therapy, process, end use, and country.

Based on product, the Middle East & Africa GMP cell therapy consumables market is segmented into kits, reagents/molecular biology reagents, growth factors/cytokines and interleukins (including protein and nucleic acid purification buffers), and others.

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The kits segment held the largest share of the Middle East & Africa GMP cell therapy consumables market in 2022.

Based on cell therapy, the Middle East & Africa GMP cell therapy consumables market is segmented into NK cell therapy, stem cell therapy, T-cell therapy, and others. The T-cell therapy segment registered the largest share of the Middle East & Africa GMP cell therapy consumables market in 2022.

Based on process, the Middle East & Africa GMP cell therapy consumables market is segmented into cell collection and characterization/sorting and separation, cell culture and expansion/preparation, cryopreservation, cell processing and formulation, cell isolation and activation, cell distribution/handling, process monitoring and control/readministration/quality assurance, and others. The cell collection and characterization/sorting and separation segment held the largest share of the Middle East & Africa GMP cell therapy consumables market in 2022.

Based on end use, the Middle East & Africa GMP cell therapy consumables market is segmented into clinical, commercial, and research. The clinical segment held the largest share of the Middle East & Africa GMP cell therapy consumables market in 2022.

Based on country, the Middle East & Africa GMP cell therapy consumables market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa GMP cell therapy consumables market in 2022.

Bio-Techne Corp; BPS Bioscience Inc; Corning Inc; FUJIFILM Irvine Scientific Inc; Global Life Sciences Solutions USA LLC; Lonza Group AG; Merck KGaA; Miltenyi Biotec BV & Co KG; Sartorius AG; and Thermo Fisher Scientific Inc are the leading companies operating in Middle East & Africa GMP cell therapy consumables market.

Table of Contents:

TABLE OF CONTENTS

1. Introduction
 - 1.1 Study Scope
 - 1.2 The Insight Partners Research Report Guidance
 - 1.3 Market Segmentation
 - 1.3.1 MEA GMP Cell Therapy Consumables Market - by Product
 - 1.3.2 MEA GMP Cell Therapy Consumables Market - by Cell Therapy
 - 1.3.3 MEA GMP Cell Therapy Consumables Market - by End Use
 - 1.3.4 MEA GMP Cell Therapy Consumables Market - by End Use
 - 1.3.5 MEA GMP Cell Therapy Consumables Market - by Country
2. MEA GMP Cell Therapy Consumables Market - Key Takeaways
3. Research Methodology
 - 3.1 Coverage
 - 3.2 Secondary Research
 - 3.3 Primary Research
4. MEA GMP Cell Therapy Consumables Market - Market Landscape
 - 4.1 Overview
 - 4.2 MEA PEST Analysis
 - 4.3 Experts' Opinion
5. MEA GMP Cell Therapy Consumables Market - Key Market Dynamics
 - 5.1 Market Drivers
 - 5.1.1 Rise in Research & Development and Drug Discovery

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- 5.1.2 Increase in Strategic Collaborations
- 5.2 Market Restraints
 - 5.2.1 Stringent Regulatory Policies
- 5.3 Market Opportunities
 - 5.3.1 Growing Regulatory Approvals for Cell and Gene Therapy (CGT) Product
- 5.4 Future Trends
 - 5.4.1 Increasing Clinical Trials and Rising GMP Demand
- 5.5 Impact Analysis
- 6. GMP Cell Therapy Consumables Market - MEA Analysis
 - 6.1 MEA GMP Cell Therapy Consumables Market Revenue Forecast and Analysis
- 7. MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 - by Product
 - 7.1 Overview
 - 7.2 MEA GMP Cell Therapy Consumables Market Revenue Share, by Product 2021 & 2028 (%)
 - 7.3 Kits
 - 7.3.1 Overview
 - 7.3.2 Kits: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 7.4 Reagents/ Molecular Biology Reagents
 - 7.4.1 Overview
 - 7.4.2 Reagents/ Molecular Biology Reagents: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 7.5 Growth Factors/Cytokines and Interleukins (Including Protein and Nucleic Acid Purification Buffers)
 - 7.5.1 Overview
 - 7.5.2 Growth Factors/Cytokines and Interleukins (Including Protein and Nucleic Acid Purification Buffers): MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 7.6 Others
 - 7.6.1 Overview
 - 7.6.2 Others: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
- 8. MEA GMP Cell Therapy Consumables Market Analysis and Forecasts to 2028 - by Cell Therapy
 - 8.1 Overview
 - 8.2 MEA GMP Cell Therapy Consumables Market, by Cell Therapy 2021 & 2028 (%)
 - 8.3 NK Cell Therapy
 - 8.3.1 Overview
 - 8.3.2 NK Cell Therapy: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 8.4 Stem Cell Therapy
 - 8.4.1 Overview
 - 8.4.2 Stem Cell Therapy: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 8.5 T-cell Therapy
 - 8.5.1 Overview
 - 8.5.2 T-cell Therapy: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 8.6 Others
 - 8.6.1 Overview
 - 8.6.2 Others: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
- 9. MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 - by End Use
 - 9.1 Overview
 - 9.2 MEA GMP Cell Therapy Consumables Market Revenue Share, by End User 2021 & 2028 (%)
 - 9.3 Clinical
 - 9.3.1 Overview

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- 9.3.2 Clinical: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.4 Commercial
 - 9.4.1 Overview
 - 9.4.2 Commercial: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
- 9.5 Research
 - 9.5.1 Overview
 - 9.5.2 Research: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
- 10. MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 - by Process
 - 10.1 Overview
 - 10.2 MEA GMP Cell Therapy Consumables Market Revenue Share, by End User 2021 & 2028 (%)
 - 10.3 Cell Collection and Characterization/Sorting and Separation
 - 10.3.1 Overview
 - 10.3.2 Cell Collection and Characterization/ Sorting and Separation: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.4 Cell Culture and Expansion/Preparation
 - 10.4.1 Overview
 - 10.4.2 Cell Culture and Expansion/Preparation: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.5 Cryopreservation
 - 10.5.1 Overview
 - 10.5.2 Cryopreservation: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.6 Cell Processing and Formulation
 - 10.6.1 Overview
 - 10.6.2 Cell Processing and Formulation: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.7 Cell Isolation and Activation
 - 10.7.1 Overview
 - 10.7.2 Cell Isolation and Activation: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.8 Cell Distribution/Handling
 - 10.8.1 Overview
 - 10.8.2 Cell Distribution/Handling: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.9 Process Monitoring and Control/Readministration/Quality Assurance
 - 10.9.1 Overview
 - 10.9.2 Process Monitoring and Control/Readministration/Quality Assurance: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.10 Other
 - 10.10.1 Overview
 - 10.10.2 Other: MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
- 11. MEA GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 - Country Analysis
 - 11.1 Overview
 - 11.1.1 MEA: GMP Cell Therapy Consumables Market, by Country, 2021 & 2028 (%)
 - 11.1.1.1 UAE: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.1.1 Overview
 - 11.1.1.1.2 UAE: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.1.3 UAE: GMP Cell Therapy Consumables Market, by Product, 2019-2028 (US\$ Million)
 - 11.1.1.1.4 UAE: GMP Cell Therapy Consumables Market, by Cell Therapy, 2019-2028 (US\$ Million)
 - 11.1.1.1.5 UAE: GMP Cell Therapy Consumables Market, by End Use, 2019-2028 (US\$ Million)
 - 11.1.1.1.6 UAE GMP Cell Therapy Consumables Market, by Process, 2019-2028 (US\$ Million)

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- 11.1.1.2 Saudi Arabia: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.2.1 Overview
 - 11.1.1.2.2 Saudi Arabia: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.2.3 Saudi Arabia: GMP Cell Therapy Consumables Market, by Product, 2019-2028 (US\$ Million)
 - 11.1.1.2.4 Saudi Arabia: GMP Cell Therapy Consumables Market, by Cell Therapy, 2019-2028 (US\$ Million)
 - 11.1.1.2.5 Saudi Arabia: GMP Cell Therapy Consumables Market, by End Use, 2019-2028 (US\$ Million)
 - 11.1.1.2.6 Saudi Arabia GMP Cell Therapy Consumables Market, by Process, 2019-2028 (US\$ Million)
- 11.1.1.3 South Africa: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.3.1 Overview
 - 11.1.1.3.2 South Africa: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.3.3 South Africa: GMP Cell Therapy Consumables Market, by Product, 2019-2028 (US\$ Million)
 - 11.1.1.3.4 South Africa: GMP Cell Therapy Consumables Market, by Cell Therapy, 2019-2028 (US\$ Million)
 - 11.1.1.3.5 South Africa: GMP Cell Therapy Consumables Market, by End Use, 2019-2028 (US\$ Million)
 - 11.1.1.3.6 South Africa GMP Cell Therapy Consumables Market, by Process, 2019-2028 (US\$ Million)
- 11.1.1.4 Rest of MEA: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.4.1 Overview
 - 11.1.1.4.2 Rest of MEA: GMP Cell Therapy Consumables Market - Revenue and Forecast to 2028 (US\$ Million)
 - 11.1.1.4.3 Rest of MEA: GMP Cell Therapy Consumables Market, by Product, 2019-2028 (US\$ Million)
 - 11.1.1.4.4 Rest of MEA: GMP Cell Therapy Consumables Market, by Cell Therapy, 2019-2028 (US\$ Million)
 - 11.1.1.4.5 Rest of MEA: GMP Cell Therapy Consumables Market, by End Use, 2019-2028 (US\$ Million)
 - 11.1.1.4.6 Rest of MEA GMP Cell Therapy Consumables Market, by Process, 2019-2028 (US\$ Million)
- 12. GMP Cell Therapy Consumables Market - Industry Landscape
 - 12.1 Overview
 - 12.2 Growth Strategies in GMP Cell Therapy Consumables Market
 - 12.3 Inorganic Growth Strategies
 - 12.3.1 Overview
 - 12.4 Organic Growth Strategies
 - 12.4.1 Overview
- 13. Company Profiles
 - 13.1 Sartorius AG
 - 13.1.1 Key Facts
 - 13.1.2 Business Description
 - 13.1.3 Products and Services
 - 13.1.4 Financial Overview
 - 13.1.5 SWOT Analysis
 - 13.1.6 Key Developments
 - 13.2 Thermo Fisher Scientific Inc
 - 13.2.1 Key Facts
 - 13.2.2 Business Description
 - 13.2.3 Products and Services
 - 13.2.4 Financial Overview
 - 13.2.5 SWOT Analysis
 - 13.2.6 Key Developments
 - 13.3 Miltenyi Biotec BV & Co KG
 - 13.3.1 Key Facts
 - 13.3.2 Business Description
 - 13.3.3 Products and Services

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- 13.3.4 Financial Overview
- 13.3.5 SWOT Analysis
- 13.3.6 Key Developments
- 13.4 Bio-Techne Corp
 - 13.4.1 Key Facts
 - 13.4.2 Business Description
 - 13.4.3 Products and Services
 - 13.4.4 Financial Overview
 - 13.4.5 SWOT Analysis
 - 13.4.6 Key Developments
- 13.5 Corning Inc
 - 13.5.1 Key Facts
 - 13.5.2 Business Description
 - 13.5.3 Products and Services
 - 13.5.4 Financial Overview
 - 13.5.5 SWOT Analysis
 - 13.5.6 Key Developments
- 13.6 FUJIFILM Irvine Scientific Inc
 - 13.6.1 Key Facts
 - 13.6.2 Business Description
 - 13.6.3 Products and Services
 - 13.6.4 Financial Overview
 - 13.6.5 SWOT Analysis
 - 13.6.6 Key Developments
- 13.7 Lonza Group AG
 - 13.7.1 Key Facts
 - 13.7.2 Business Description
 - 13.7.3 Products and Services
 - 13.7.4 Financial Overview
 - 13.7.5 SWOT Analysis
 - 13.7.6 Key Developments
- 13.8 BPS Bioscience Inc
 - 13.8.1 Key Facts
 - 13.8.2 Business Description
 - 13.8.3 Products and Services
 - 13.8.4 Financial Overview
 - 13.8.5 SWOT Analysis
 - 13.8.6 Key Developments
- 13.9 Merck KGaA
 - 13.9.1 Key Facts
 - 13.9.2 Business Description
 - 13.9.3 Products and Services
 - 13.9.4 Financial Overview
 - 13.9.5 SWOT Analysis
 - 13.9.6 Key Developments
- 13.10 Global Life Sciences Solutions USA LLC
 - 13.10.1 Key Facts

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- 13.10.2 Business Description
- 13.10.3 Products and Services
- 13.10.4 Financial Overview
- 13.10.5 SWOT Analysis
- 13.10.6 Key Developments
- 14. Appendix
- 14.1 About The Insight Partners
- 14.2 Glossary of Terms

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