

Middle East & Africa Plant Tissue Culture Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Type (Instruments, Media & Reagents, and Consumables), Application (Plant Research, Agriculture, Forestry & Technical Grade, and Others), and End Users (Greenhouse, Field, and Laboratory)

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Report description:

The Middle East & Africa plant tissue culture market is expected to grow from US\$ 34.79 million in 2022 to US\$ 55.08 million by 2028; it is estimated to record a CAGR of 8.0% from 2022 to 2028.

Proliferation of Floriculture Bolsters Market Growth

Floriculture is a branch of ornamental horticulture concerned with growing and marketing flowers, ornamental plants, and flower arrangements. Plant tissue culture is used to develop flowers according to the need of the population. Flowers are nowadays used as a food as they contain nutraceutical and organoleptic properties. The typically high pigment concentration of the corollas (especially flavonoids and carotenoids), which have evolved to attract pollinators chromatically, indicates a marked nutraceutical activity, especially regarding antioxidant power. Edible flowers such as roses, citrus blossoms, lavender, hibiscus, and nasturtium are some of the flowers that are gaining popularity among health-conscious consumers. Edible flowers provide biologically active substances including vitamin A, C, riboflavins, niacin, minerals such as calcium, phosphorous, iron and potassium that are eventually beneficial to consumers' health. To produce flowers which provide these biologically active substances, genetic engineering and tissue culture techniques are used. Growing demand for flower as a nutritious food additive is mainly driving the growth of plant tissue culture market.

Market Overview

The Middle East & Africa plant tissue culture market is segmented into Saudi Arabia, the UAE, South Africa, and the Rest of Middle

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East & Africa. The growing populations in the UAE, Bahrain, Saudi Arabia, Kuwait, Qatar, and Oman can be associated with the elevated demand for crops. Major factors propelling the Middle East & Africa plant tissue culture market include rising domestic and migrant population, increasing health consciousness, changing tastes and preferences, and escalating disposable income, as these factors are encouraging the consumption of nutritional food as part of a stable diet.

Middle East & Africa Plant Tissue Culture Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Plant Tissue Culture market Segmentation

The Middle East & Africa plant tissue culture market is segmented on the basis of type, application, end users, and country. Based on type, the Middle East & Africa plant tissue culture market is segmented into instrument, media & reagents, and consumables. The instrument segment held the largest market share in 2022. Further, the instrument segment is categorized into incubators, centrifuges, microscopes, sterilizers, and others. Similarly, media & reagents are categorized into murashige and skoog media, linsmaier and skoog media, and others.

Based on application, the Middle East & Africa plant tissue culture market is segmented into plant research, agriculture, forestry & technical grade, and others. The agriculture segment held the largest market share in 2022.

Based on end users, the Middle East & Africa plant tissue culture market is segmented into greenhouse, field, and laboratory. The field segment held the largest market share in 2022.

based on country, the Middle East & Africa plant tissue culture market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the market in 2022.

Thomas Scientific LLC; Sigma-Aldrich Co LLC; HiMedia Laboratories Pvt Ltd; Caisson Labs Inc.; Alpha Laboratories Ltd.; Becton, Dickinson and Co.; and Al-Rajhi Tissue Culture Lab are the leading companies operating in the Middle East & Africa plant tissue culture market.

Table of Contents:

TABLE OF CONTENTS

- 1. Introduction
 - 1.1 Scope of the Study
 - 1.2 The Insight Partners Research Report Guidance
 - 1.3 Market Segmentation
 - 1.3.1 MEA Plant Tissue Culture Market - By Type
 - 1.3.2 MEA Plant Tissue Culture Market - By Application
 - 1.3.3 MEA Plant Tissue Culture Market - By End Users
 - 1.3.4 MEA Plant Tissue Culture Market - By Country
- 2. Plant Tissue Culture Market- Key Takeaways
- 3. Research Methodology
 - 3.1 Coverage
 - 3.2 Secondary Research
 - 3.3 Primary Research
- 4. MEA Plant Tissue Culture Market - Market Landscape
 - 4.1 Overview

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- 4.2 PEST Analysis
 - 4.2.1 MEA PEST Analysis
- 4.3 Experts Opinion
- 5. MEA Plant Tissue Culture Market - Key Market Dynamics
 - 5.1 Market Drivers
 - 5.1.1 Expanding Demand for Transgenic Plants
 - 5.1.2 Mounting Demand Floriculture
 - 5.2 Key Market Restraints
 - 5.2.1 High Charge of Tissue Culture
 - 5.3 Key Market Opportunities
 - 5.3.1 Initiatives to Rise Plant Culture in Developing Countries
 - 5.4 Future Trends
 - 5.4.1 Automation in Tissue Culture Workshops
 - 5.5 Impact Analysis
- 6. Plant tissue culture Market - MEA Analysis
 - 6.1 MEA Plant Tissue Culture Market Revenue Forecast and Analysis
- 7. MEA Plant Tissue Culture Market Analysis and Forecasts To 2028 - By Type
 - 7.1 Overview
 - 7.2 Plant Tissue Culture Market, By Type 2021 & 2028 (%)
 - 7.3 Instruments
 - 7.3.1 Overview
 - 7.3.2 Instruments Market Revenue and Forecast to 2028 (US\$ Mn)
 - 7.3.3 Incubators
 - 7.3.3.1 Overview
 - 7.3.3.2 Incubators Market Revenue and Forecast to 2028 (US\$ Mn)
 - 7.3.4 Centrifuges
 - 7.3.4.1 Overview
 - 7.3.4.2 Centrifuges Market Revenue and Forecast to 2028 (US\$ Mn)
 - 7.3.5 Microscopes
 - 7.3.5.1 Overview
 - 7.3.5.2 Microscopes Market Revenue and Forecast to 2028 (US\$ Mn)
 - 7.3.6 Sterilizers
 - 7.3.6.1 Overview
 - 7.3.6.2 Sterilizers Market Revenue and Forecast to 2028 (US\$ Mn)
 - 7.3.7 Others
 - 7.3.7.1 Overview
 - 7.3.7.2 Others Market Revenue and Forecast to 2028 (US\$ Mn)
 - 7.4 Media and Reagents
 - 7.4.1 Overview
 - 7.4.2 Media and Reagents Market Revenue and Forecast to 2028 (US\$ Million)
 - 7.4.3 Murashige and Skoog Media
 - 7.4.3.1 Overview
 - 7.4.3.2 Murashige and Skoog Media Market Revenue and Forecast to 2028 (US\$ Million)
 - 7.4.4 Linsmaier and Skoog Media
 - 7.4.4.1 Overview
 - 7.4.4.2 Linsmaier and Skoog Media Market Revenue and Forecast to 2028 (US\$ Million)
 - 7.4.5 Others

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- 7.4.5.1 Overview
- 7.4.5.2 Others Market Revenue and Forecast to 2028 (US\$ Million)
- 7.5 Consumables
 - 7.5.1 Overview
 - 7.5.2 Consumables Market Revenue and Forecast to 2028 (US\$ Mn)
- 8. MEA Plant Tissue Culture Market Analysis and Forecasts To 2028 - By Application
 - 8.1 Overview
 - 8.2 Plant Tissue Culture Market, By Application 2021 & 2028 (%)
 - 8.3 Plant Research
 - 8.3.1 Overview
 - 8.3.2 Plant Research Market Revenue and Forecast to 2028 (US\$ Mn)
 - 8.4 Agriculture
 - 8.4.1 Overview
 - 8.4.2 Agriculture Market Revenue and Forecast to 2028 (US\$ Mn)
 - 8.5 Forestry & Technical Grade
 - 8.5.1 Overview
 - 8.5.2 Forestry & Technical Grade Market Revenue and Forecast to 2028 (US\$ Mn)
 - 8.6 Others
 - 8.6.1 Overview
 - 8.6.2 Others Bladder Market Revenue and Forecast to 2028 (US\$ Mn)
- 9. MEA Plant Tissue Culture Market Analysis and Forecasts To 2028 - By End User
 - 9.1 Overview
 - 9.2 Plant Tissue Culture Market, By End User 2021 & 2028 (%)
 - 9.3 Greenhouse
 - 9.3.1 Overview
 - 9.3.2 Greenhouse Market Revenue and Forecast to 2028 (US\$ Mn)
 - 9.4 Field
 - 9.4.1 Overview
 - 9.4.2 Field Market Revenue and Forecast to 2028 (US\$ Mn)
 - 9.5 Laboratory
 - 9.5.1 Overview
 - 9.5.2 Laboratory Market Revenue and Forecast to 2028 (US\$ Mn)
- 10. MEA Plant Tissue Culture Market Revenue and Forecasts to 2028 - By Country Analysis
 - 10.1 Middle East & Africa Plant Tissue Culture Market
 - 10.1.1 Overview
 - 10.1.2 Middle East and Africa: Plant Tissue Culture Market, by Country, 2021 & 2028 (%)
 - 10.1.2.1 South Africa: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.2.1.1 Overview
 - 10.1.2.1.2 South Africa: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.2.1.3 South Africa: Plant Tissue Culture Market, by Type, 2020-2028 (US\$ Million)
 - 10.1.2.1.3.1 South Africa: Plant Tissue Culture Market, by Instrument, 2020-2028 (US\$ Million)
 - 10.1.2.1.3.2 South Africa: Plant Tissue Culture Market, by Media and Reagent, 2020-2028 (US\$ Million)
 - 10.1.2.1.3.2 South Africa: Plant Tissue Culture Market, by Application, 2020-2028 (US\$ Million)
 - 10.1.2.1.3.3 South Africa: Plant Tissue Culture Market, by End User, 2020-2028 (US\$ Million)
 - 10.1.2.1.4 South Africa: Plant Tissue Culture Market, by Application, 2020-2028 (US\$ Million)
 - 10.1.2.1.5 South Africa: Plant Tissue Culture Market, by End User, 2020-2028 (US\$ Million)
 - 10.1.2.2 Saudi Arabia: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
 - 10.1.2.2.1 Overview
 - 10.1.2.2.2 Saudi Arabia: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)

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- 10.1.2.2.3 Saudi Arabia: Plant Tissue Culture Market, by Type, 2020-2028 (US\$ Million)
- 10.1.2.2.3.1 Saudi Arabia: Plant Tissue Culture Market, by Instrument, 2020-2028 (US\$ Million)
- 10.1.2.2.3.2 Saudi Arabia: Plant Tissue Culture Market, by Media and Reagent, 2020-2028 (US\$ Million)
- 10.1.2.2.4 Saudi Arabia: Plant Tissue Culture Market, by Application, 2020-2028 (US\$ Million)
- 10.1.2.2.5 Saudi Arabia: Plant Tissue Culture Market, by End User, 2020-2028 (US\$ Million)
- 10.1.2.3 UAE: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
- 10.1.2.3.1 Overview
- 10.1.2.3.2 UAE: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
- 10.1.2.3.3 UAE: Plant Tissue Culture Market, by Type, 2020-2028 (US\$ Million)
- 10.1.2.3.3.1 UAE: Plant Tissue Culture Market, by Instrument, 2020-2028 (US\$ Million)
- 10.1.2.3.3.2 UAE: Plant Tissue Culture Market, by Media and Reagent, 2020-2028 (US\$ Million)
- 10.1.2.3.4 UAE: Plant Tissue Culture Market, by Application, 2020-2028 (US\$ Million)
- 10.1.2.3.5 UAE: Plant Tissue Culture Market, by End User, 2020-2028 (US\$ Million)
- 10.1.2.4 Rest of Middle East and Africa: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
- 10.1.2.4.1 Overview
- 10.1.2.4.2 Rest of Middle East and Africa: Plant Tissue Culture Market - Revenue and Forecast to 2028 (US\$ Million)
- 10.1.2.4.3 Rest of Middle East and Africa: Plant Tissue Culture Market, by Type, 2020-2028 (US\$ Million)
- 10.1.2.4.3.1 Rest of Middle East and Africa: Plant Tissue Culture Market, by Instrument, 2020-2028 (US\$ Million)
- 10.1.2.4.3.2 Rest of Middle East and Africa: Plant Tissue Culture Market, by Media and Reagent, 2020-2028 (US\$ Million)
- 10.1.2.4.4 Rest of Middle East and Africa: Plant Tissue Culture Market, by Application, 2020-2028 (US\$ Million)
- 10.1.2.4.5 Rest of Middle East and Africa: Plant Tissue Culture Market, by End User, 2020-2028 (US\$ Million)
- 11. Plant Tissue Culture Market-Industry Landscape
- 11.1 Overview
- 11.2 Growth Strategies in the Plant Tissue Culture Market
- 11.3 Inorganic Growth Strategies
- 11.3.1 Overview
- 11.4 Organic Growth Strategies
- 11.4.1 Overview
- 12. Company Profiles
- 12.1 Thomas Scientific LLC
- 12.1.1 Key Facts
- 12.1.2 Business Description
- 12.1.3 Products and Services
- 12.1.4 Financial Overview
- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments
- 12.2 Sigma-Aldrich Co LLC
- 12.2.1 Key Facts
- 12.2.2 Business Description
- 12.2.3 Products and Services
- 12.2.4 Financial Overview
- 12.2.5 SWOT Analysis
- 12.2.6 Key Developments
- 12.3 HiMedia Laboratories Pvt Ltd
- 12.3.1 Key Facts
- 12.3.2 Business Description
- 12.3.3 Products and Services

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- 12.3.4 Financial Overview
- 12.3.5 SWOT Analysis
- 12.3.6 Key Developments
- 12.4 Caisson Labs Inc
- 12.4.1 Key Facts
- 12.4.2 Business Description
- 12.4.3 Products and Services
- 12.4.4 Financial Overview
- 12.4.5 SWOT Analysis
- 12.4.6 Key Developments
- 12.5 Alpha Laboratories Ltd
- 12.5.1 Key Facts
- 12.5.2 Business Description
- 12.5.3 Products and Services
- 12.5.4 Financial Overview
- 12.5.5 SWOT Analysis
- 12.5.6 Key Developments
- 12.6 Becton, Dickinson and Co
- 12.6.1 Key Facts
- 12.6.2 Business Description
- 12.6.3 Products and Services
- 12.6.4 Financial Overview
- 12.6.5 SWOT Analysis
- 12.6.6 Key Developments
- 12.7 AL-Rajhi Tissue Culture Lab
- 12.7.1 Key Facts
- 12.7.2 Business Description
- 12.7.3 Products and Services
- 12.7.4 Financial Overview
- 12.7.5 SWOT Analysis
- 12.7.6 Key Developments
- 12.8 Al Wathba Marionnet LLC
- 12.8.1 Key Facts
- 12.8.2 Business Description
- 12.8.3 Products and Services
- 12.8.4 Financial Overview
- 12.8.5 SWOT Analysis
- 12.8.6 Key Developments
- 13. Appendix
- 13.1 About The Insight Partners
- 13.2 Glossary of Terms

Middle East & Africa Plant Tissue Culture Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Type (Instruments, Media & Reagents, and Consumables), Application (Plant Research, Agriculture, Forestry & Technical Grade, and Others), and End Users (Greenhouse, Field, and Laboratory)

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