

South America 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)

<https://marketpublishers.com/r/S2DA29F33E92EN.html>

Date: January 2023

Pages: 111

Price: US\$ 3,000.00 (Single User License)

ID: S2DA29F33E92EN

Abstracts

The South America plant tissue culture market is expected to grow from US\$ 37.17 million in 2022 to US\$ 59.91 million by 2028; it is estimated to register a CAGR of 8.3% from 2022 to 2028.

Automation in Tissue Culture Laboratories Bolsters Market Growth

Research studies on automation technology and equipment of test-tube plantlets have been carried out in various developing countries. In manual propagation, the plantlet is grasped and cut at the node point between the cotyledon and stem, which is hardly located and can be easily damaged by the gripper. Using an agricultural intelligent robot to replace manual operation will significantly improve the efficiency and quality of the propagation of plantlets. With the use of robots, the chances of contamination are less as compared to manual propagation. The cost of labor is increasing annually. The cost of a robotic machine will decrease in near future due to the rapid development of electronic and mechanical technology. Therefore, the laboratories are introducing robots so that the procedures are carried out properly and are cost-effective. The high-throughput screening of recombinant protein expression is advantageous during early process development because it identifies optimal expression constructs and process conditions. Simple screening platforms based on microtiter plates are available for microbes and animal cells, but this was not possible for plants until the development of

plant cell packs (PCPs), also known as “cookies,” which provide a versatile and scalable screening tool for recombinant protein production. This will help in developing the plantlets according to the need of the researchers. Due to the use of robotics in plant tissue culture laboratories the market for plant tissue culture is expected to grow.

South America Plant Tissue Culture Market Overview

The South America plant tissue culture market is segmented into Brazil, Argentina, and South America. The demand for fruits and vegetable ingredients is rising in the food & beverages industry in South America, which contributes to the market growth in this region. The expansion of the tourism industry has led to the development of the hotel and restaurant sector in South America, creating new avenues and demand for fruit and vegetables. In addition, consumers in the region prefer to include vegetables and fruits as key ingredients in their daily diet due to the rising awareness of health. Thus, consumer preference for healthier and premium food products such as smoothies, juices, and salads made with natural ingredients amplifying the demand for plant tissue culture in South America.

South America Plant Tissue Culture Market Revenue and Forecast to 2028 (US\$ Million)

South America Plant Tissue Culture Market Segmentation

The South America plant tissue culture market is segmented on the basis of type, application, end users, and country. Based on type, the South America 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 South America 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 South America 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 South America plant tissue culture market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the market in 2022.

Thomas Scientific LLC; Sigma-Aldrich Co LLC; HiMedia Laboratories Pvt Ltd; Caisson Labs Inc.; Alpha Laboratories Ltd.; and Becton, Dickinson and Co. are the leading companies operating in the South America plant tissue culture market.

Contents

1. INTRODUCTION

- 1.1 Scope of the Study
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
 - 1.3.1 SAM Plant Tissue Culture Market – By Type
 - 1.3.2 SAM Plant Tissue Culture Market – By Application
 - 1.3.3 SAM Plant Tissue Culture Market – By End Users
 - 1.3.4 SAM 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. SAM PLANT TISSUE CULTURE MARKET – MARKET LANDSCAPE

- 4.1 Overview
- 4.2 PEST Analysis
 - 4.2.1 SAM PEST Analysis
- 4.3 Experts Opinion

5. SAM PLANT TISSUE CULTURE MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Demand for Transgenic Plants
 - 5.1.2 Growing Demand Floriculture
- 5.2 Key Market Restraints
 - 5.2.1 High Cost of Tissue Culture
- 5.3 Key Market Opportunities
 - 5.3.1 Initiatives to Boost Plant Culture in Developing Countries
- 5.4 Future Trends
 - 5.4.1 Automation in Tissue Culture Laboratories

5.5 Impact Analysis

6. PLANT TISSUE CULTURE MARKET – SAM ANALYSIS

6.1 SAM Plant Tissue Culture Market Revenue Forecast and Analysis

7. SAM 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

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. SAM 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. SAM 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. SAM PLANT TISSUE CULTURE MARKET REVENUE AND FORECASTS TO 2028 – BY COUNTRY ANALYSIS

10.1 South and Central America: Plant Tissue Culture Market

10.1.1 Overview

10.1.2 South and Central America: Plant Tissue Culture Market, by Country, 2021 & 2028 (%)

10.1.2.1 Brazil: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.2.1.1 Overview

10.1.2.1.2 Brazil: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.2.1.3 Brazil: Plant Tissue Culture Market, by Type, 2020–2028 (US\$ Million)

10.1.2.1.3.1 Brazil: Plant Tissue Culture Market, by Instrument, 2020–2028 (US\$ Million)

10.1.2.1.3.2 Brazil: Plant Tissue Culture Market, by Media and Reagent, 2020–2028 (US\$ Million)

10.1.2.1.4 Brazil: Plant Tissue Culture Market, by Application, 2020–2028 (US\$ Million)

10.1.2.1.5 Brazil: Plant Tissue Culture Market, by End User, 2020–2028 (US\$ Million)

10.1.2.2 Argentina: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.2.2.1 Overview

10.1.2.2.2 Argentina: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.2.2.3 Argentina: Plant Tissue Culture Market, by Type, 2020–2028 (US\$ Million)

10.1.2.2.3.1 Argentina: Plant Tissue Culture Market, by Instrument, 2020–2028 (US\$ Million)

10.1.2.2.3.2 Argentina: Plant Tissue Culture Market, by Media and Reagent, 2020–2028 (US\$ Million)

10.1.2.2.4 Argentina: Plant Tissue Culture Market, by Application, 2020–2028 (US\$ Million)

10.1.2.2.5 Argentina: Plant Tissue Culture Market, by End User, 2020–2028 (US\$ Million)

10.1.2.3 Rest of South and Central America: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)

10.1.2.3.1 Overview

10.1.2.3.2 Rest of South and Central America: Plant Tissue Culture Market – Revenue

and Forecast to 2028 (US\$ Million)

10.1.2.3.3 Rest of South and Central America: Plant Tissue Culture Market, by Type, 2020–2028 (US\$ Million)

10.1.2.3.3.1 Rest of South and Central America: Plant Tissue Culture Market, by Instrument, 2020–2028 (US\$ Million)

10.1.2.3.3.2 Rest of South and Central America: Plant Tissue Culture Market, by Media and Reagent, 2020–2028 (US\$ Million)

10.1.2.3.4 Rest of South and Central America: Plant Tissue Culture Market, by Application, 2020–2028 (US\$ Million)

10.1.2.3.5 Rest of South and Central America: 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
- 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

13. APPENDIX

- 13.1 About The Insight Partners
- 13.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. Brazil Plant Tissue Culture Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 2. Brazil Plant Tissue Culture Market, by Instrument – Revenue and Forecast to 2028 (US\$ Million)

Table 3. Brazil Plant Tissue Culture Market, by Media and Reagent – Revenue and Forecast to 2028 (US\$ Million)

Table 4. Brazil Plant Tissue Culture Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 5. Brazil Plant Tissue Culture Market, by End User– Revenue and Forecast to 2028 (US\$ Million)

Table 6. Argentina Plant Tissue Culture Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 7. Argentina Plant Tissue Culture Market, by Instrument – Revenue and Forecast to 2028 (US\$ Million)

Table 8. Argentina Plant Tissue Culture Market, by Media and Reagent – Revenue and Forecast to 2028 (US\$ Million)

Table 9. Argentina Plant Tissue Culture Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 10. Argentina Plant Tissue Culture Market, by End User– Revenue and Forecast to 2028 (US\$ Million)

Table 11. Rest of South and Central America Plant Tissue Culture Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 12. Rest of South and Central America Plant Tissue Culture Market, by Instrument – Revenue and Forecast to 2028 (US\$ Million)

Table 13. Rest of South and Central America Plant Tissue Culture Market, by Media and Reagent – Revenue and Forecast to 2028 (US\$ Million)

Table 14. Rest of South and Central America Plant Tissue Culture Market, by Application– Revenue and Forecast to 2028 (US\$ Million)

Table 15. Rest of South and Central America Plant Tissue Culture Market, by End User– Revenue and Forecast to 2028 (US\$ Million)

Table 16. Recent Inorganic Growth Strategies in the Plant Tissue Culture Market

Table 17. Recent Organic Growth Strategies in the Plant Tissue Culture Market

Table 18. Glossary of Terms

List Of Figures

LIST OF FIGURES

Figure 1. SAM Plant Tissue Culture Market Segmentation

Figure 2. SAM Plant Tissue Culture Market, By Country

Figure 3. SAM Plant Tissue Culture Market Overview

Figure 4. Agriculture Segment Held Largest Share of Application Segment in Plant Tissue Culture Market

Figure 5. Brazil is Expected to Show Remarkable Growth During the Forecast Period

Figure 6. SAM: PEST Analysis

Figure 7. SAM Experts Opinion

Figure 8. SAM Plant tissue culture Market: Impact Analysis of Drivers and Restraints

Figure 9. SAM Plant Tissue Culture Market– Revenue Forecast and Analysis – 2020 - 2028

Figure 10. SAM Plant Tissue Culture Market, by Type 2021 & 2028 (%)

Figure 11. Instruments: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Mn)

Figure 12. Incubators: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)

Figure 13. Centrifuges: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)

Figure 14. Microscopes: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)

Figure 15. Sterilizers: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)

Figure 16. Others: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)

Figure 17. Media and Reagents: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Million)

Figure 18. Murashige and Skoog Media: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ Million)

Figure 19. Linsmaier and Skoog Media: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ Million)

Figure 20. Others: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ Million)

Figure 21. Consumables: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Mn)

- Figure 22. SAM Plant Tissue Culture Market, by Application 2021 & 2028 (%)
- Figure 23. Plant Research: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Mn)
- Figure 24. Agriculture: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Mn)
- Figure 25. Forestry & Technical Grade: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Mn)
- Figure 26. Others: SAM Plant Tissue Culture Market Revenue and Forecasts to 2028 (US\$ Mn)
- Figure 27. SAM Plant Tissue Culture Market, by End User 2021 & 2028 (%)
- Figure 28. Greenhouse: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)
- Figure 29. Field: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)
- Figure 30. Laboratory: SAM Plant Tissue Culture Market Revenue and Forecasts To 2028 (US\$ MN)
- Figure 31. South and Central America: Plant Tissue Culture Market, by Key Country – Revenue (2021) (US\$ Million)
- Figure 32. South and Central America: Plant Tissue Culture Market, by Country, 2021 & 2028 (%)
- Figure 33. Brazil: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 34. Argentina: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 35. Rest of South and Central America: Plant Tissue Culture Market – Revenue and Forecast to 2028 (US\$ Million)
- Figure 36. Growth Strategies in the Plant Tissue Culture Market

I would like to order

Product name: South America 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)

Product link: <https://marketpublishers.com/r/S2DA29F33E92EN.html>

Price: US\$ 3,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S2DA29F33E92EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970