

# **3D Cell Culture Market Size, Share & Trends Analysis Report By Technology (Scaffold-free, Scaffold-based), By Application (Cancer, Stem Cell Research), By End Use, By Region, And Segment Forecasts, 2021 - 2028**

<https://marketpublishers.com/r/382C64DCDFAEN.html>

Date: January 2021

Pages: 140

Price: US\$ 5,950.00 (Single User License)

ID: 382C64DCDFAEN

## **Abstracts**

This report can be delivered to the clients within 72 Business Hours

### **3D Cell Culture Market Growth & Trends**

The global 3D cell culture market size is expected to reach USD 3.48 billion by 2028 registering a CAGR of 10.7%, according to a new report by Grand View Research, Inc. The development of 3D optimized assays, kits, and protocols coupled with the evolution of assay techniques is anticipated to drive the three-dimensional cell culture market.

As 3-dimensional cultures have the capacity to closely mimic a typical morphology and microarchitecture of organs, these are continuously developed for the studies that require in vivo model systems to analyze the effect of a foreign drug over body tissues and organs. This, coupled with the availability of various choices in terms of material and structure of the scaffold for different in vitro applications, is anticipated to support revenue generation for scaffolds.

Recent researches have explored the use of a diverse range of scaffolds including graphene scaffolds, nanofibers, freeze-casting, natural marine collagen, and others. In addition, the application of lab-on-a-chip techniques in several assay types-proliferation, viability, stimulation, transport, patch clamping, high content screening, and metabolic activity-leads to a rise in demand for projects with advanced and efficient solutions.

### **3D Cell Culture Market Report Highlights**

The scaffold-based technology segment is anticipated to register a lucrative year-on-year growth owing to rising demand for 3D model-based research coupled with an increased incidence of chronic diseases

Moreover, the introduction of novel tools and techniques is anticipated to boost revenue generation in the scaffold-based technology segment

Furthermore, companies, such as Tecan and Sigma-Aldrich, offer scaffold-based 3D solutions; which are readily adopted by the end users

Cancer was the largest application segment of the market in 2020. This is because 3D cultures efficiently replicate the associated influences and complexity of in vivo tumor microenvironment including the impact of extracellular matrix and cell-to-cell contact

Cells in 3-dimensional cultures help in the analysis of behavior and properties of the tumor, protein distribution, gene expression, and monitor response to anticancer therapies

Potential scientific and clinical impacts of the 3D-cultivation approach for embryonic, adult, and cancer stem cells are estimated to boost the growth of the stem cell research segment

Biotechnology and pharmaceutical organizations accounted for the largest share in 2020 owing to a rise in the adoption of 3D cell culture techniques in tissue engineering and drug discovery

Combination of 3D cell culture techniques with Human-induced Pluripotent Stem Cells (HiPSCs) has been successfully used for the development and discovery of drugs for liver diseases

North America led the market in 2020 owing to extensive usage of 3D cell culture models for medical research purposes

In April 2020, a team of researchers from the University of Pittsburgh used Multicellular Tumor Spheroids (MCTSs) to assess drug responses in drug screening studies for oncology

Asia Pacific is expected to register the fastest CAGR from 2021 to 2028 due to

rising investments by North American and European companies in APAC regional market

The key market players focus on geographical expansions, partnerships, collaborations, acquisitions, and novel product launches to reinforce their market presence

For instance, in December 2020, Curiteva, Inc. acquired FossiLabs, LLC. The latter has developed a process to fabricate scaffolding structures that promote osseointegration

## Contents

### CHAPTER 1 EXECUTIVE SUMMARY

#### 1.1 Market Snapshot

### CHAPTER 2 RESEARCH METHODOLOGY

#### 2.1 Information Procurement

##### 2.1.1 Purchased database:

##### 2.1.2 GVR's internal database

##### 2.1.3 Secondary sources:

##### 2.1.4 Primary research:

##### 2.1.5 Details of primary research

#### 2.2 Information or Data Analysis

##### 2.2.1 Data analysis models

#### 2.3 Market Formulation & Validation

#### 2.4 Model Details

##### 2.4.1 Commodity flow analysis (Model 1)

###### 2.4.1.1 Approach 1: Commodity flow approach

##### 2.4.2 Volume price analysis (Model 2)

###### 2.4.2.1 Approach 2: Volume price analysis

#### 2.5 List of Secondary Sources

#### 2.6 List of Primary Sources

#### 2.7 Objectives

##### 2.7.1 Objective

##### 2.7.2 Objective

### CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE

#### 3.1 Market Segmentation & Scope

##### 3.1.1 Market driver analysis

###### 3.1.1.1 Rising demand for organ transplantation & tissue engineering

###### 3.1.1.2 Technological advancements in scaffold-free technology

###### 3.1.1.3 Rise in investments and R&D funding for cell-based research

##### 3.1.2 Market restraint analysis

###### 3.1.2.1 High cost associated with implementation

###### 3.1.2.2 Lack of compatibility and consistency

#### 3.2 Penetration & Growth Prospect Mapping for Technology, 2018

3.3 3D Cell Culture Market-SWOT Analysis, By Factor (Political & Legal, Economic And Technological)

3.4 Industry Analysis - Porter's

3.5 Impact of COVID-19 pandemic on 3D Cell Culture Market

## **CHAPTER 4 3D CELL CULTURE MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS**

4.1 3D Cell Culture Market: Technology Movement Analysis

4.2 Scaffold-based

4.2.1 Global scaffold-based 3D cell culture market, 2016 - 2028 (USD Million)

4.2.2 Hydrogels

4.2.2.1 Global hydrogels market, 2016 - 2028 (USD Million)

4.2.3 Polymeric Scaffolds

4.2.3.1 Global polymeric scaffolds market, 2016 - 2028 (USD Million)

4.2.4 Micropatterned Surface microplates

4.2.4.1 Global micropatterned surface microplates market, 2016 - 2028 (USD Million)

4.2.5 Nanofiber-based Scaffolds

4.2.5.1 Global nanofiber-based scaffolds market, 2016 - 2028 (USD Million)

4.3 Scaffold-free

4.3.1 Global scaffold-free 3D cell culture market, 2016 - 2028 (USD Million)

4.3.2 Hanging Drop Microplates

4.3.2.1 Global hanging drop microplates market, 2016 - 2028 (USD Million)

4.3.3 Microfluidic 3D Cell Culture

4.3.3.1 Global microfluidic 3D cell culture market, 2016 - 2028 (USD Million)

4.3.4 Spheroid Microplates with ULA Coating

4.3.4.1 Global spheroid microplates with ULA coating market, 2016 - 2028 (USD Million)

4.3.5 Magnetic Levitation & 3D Bioprinting

4.3.5.1 Global magnetic levitation & 3D bioprinting market, 2016 - 2028 (USD Million)

4.4 Bioreactors

4.4.1 Global bioreactors market, 2016 - 2028 (USD Million)

## **CHAPTER 5 3D CELL CULTURE MARKET: APPLICATION ESTIMATES & TREND ANALYSIS**

5.1 3D Cell Culture Market: Application Movement Analysis

5.2 Cancer

5.2.1 Global cancer market, 2016 - 2028 (USD Million)

### 5.3 Tissue Engineering & Immunohistochemistry

5.3.1 Global tissue engineering & immunohistochemistry market, 2016 - 2028 (USD Million)

### 5.4 Drug Development

5.4.1 Global drug development market, 2016 - 2028 (USD Million)

### 5.5 Stem Cell Research

5.5.1 Global stem cell research market, 2016 - 2028 (USD Million)

### 5.6 Others

5.6.1 Global other applications market, 2016 - 2028 (USD Million)

## **CHAPTER 6 3D CELL CULTURE MARKET: END-USE ESTIMATES & TREND ANALYSIS**

### 6.1 3D Cell Culture Market: End-use Movement Analysis

### 6.2 Biotechnology and Pharmaceutical Industries

6.2.1 Global biotechnology and pharmaceutical industries market, 2016 - 2028 (USD Million)

### 6.3 Research Laboratories and Institutes

6.3.1 Global research laboratories and institutes market, 2016 - 2028 (USD Million)

### 6.4 Hospitals and Diagnostic Centers

6.4.1 Global hospitals and diagnostic centers market, 2016 - 2028 (USD Million)

### 6.5 Others

6.5.1 Global other end-use market, 2016 - 2028 (USD Million)

## **CHAPTER 7 3D CELL CULTURE MARKET: REGIONAL ESTIMATES & TREND ANALYSIS BY TECHNOLOGY, APPLICATION & END USE**

### 7.1 3D Cell Culture Market Shares by Region, 2018 & 2025

### 7.2 3D Cell Culture Market Share by Region, 2018 & 2025

### 7.3 North America

7.3.1 North America 3D cell culture market, 2016 - 2028 (USD Million)

### 7.3.2 The U.S.

7.3.2.1 The U.S. 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.3.2.2 The U.S. 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.3.2.3 The U.S. 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

### 7.3.3 Canada

7.3.3.1 Canada 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.3.3.2 Canada 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.3.3.3 Canada 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

## 7.4 Europe

7.4.1 Europe 3D cell culture market, 2016 - 2028 (USD Million)

### 7.4.2 Germany

7.4.2.1 Germany 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.4.2.2 Germany 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.4.2.3 Germany 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

### 7.4.3 The U.K.

7.4.3.1 The U.K. 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.4.3.2 The U.K. 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.4.3.3 The U.K. 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

## 7.5 Asia Pacific

7.5.1 Asia Pacific 3D cell culture market, 2016 - 2028 (USD Million)

### 7.5.2 Japan

7.5.2.1 Japan 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.5.2.2 Japan 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.5.2.3 Japan 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

### 7.5.3 China

7.5.3.1 China 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.5.3.2 China 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.5.3.3 China 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

## 7.6 Latin America

7.6.1 Latin America 3D cell culture market, 2016 - 2028 (USD Million)

### 7.6.2 Brazil

7.6.2.1 Brazil 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.6.2.2 Brazil 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.6.2.3 Brazil 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

## 7.7 Middle East & Africa (MEA)

7.7.1 MEA 3D cell culture market, 2016 - 2028 (USD Million)

### 7.7.2 South Africa

7.7.2.1 South Africa 3D cell culture market, by technology, 2016 - 2028 (USD Million)

7.7.2.2 South Africa 3D cell culture market, by application, 2016 - 2028 (USD Million)

7.7.2.3 South Africa 3D cell culture market, by end-use, 2016 - 2028 (USD Million)

## **CHAPTER 8 COMPETITIVE LANDSCAPE**

### 8.1 Market Participation Categorization

### 8.2 Company Profiles

#### 8.2.1 Merck KGaA

##### 8.2.1.1 Company overview

- 8.2.1.2 Sigma-Aldrich Co. LLC
  - 8.2.1.2.1 Company overview
- 8.2.1.3 Financial performance
  - 8.2.1.3.1 Financial performance
- 8.2.1.4 Product benchmarking
- 8.2.1.5 Strategic initiatives
- 8.2.2 Thermo Fisher Scientific, Inc.
  - 8.2.2.1 Company overview
  - 8.2.2.2 Becton, Dickinson and Company (BD)
    - 8.2.2.2.1 Company overview
  - 8.2.2.3 Financial performance
    - 8.2.2.3.1 Financial performance
  - 8.2.2.4 Product benchmarking
  - 8.2.2.5 Strategic initiatives
- 8.2.3 PromoCell GmbH
  - 8.2.3.1 Company overview
  - 8.2.3.2 Financial performance
  - 8.2.3.3 Product benchmarking
  - 8.2.3.4 Strategic initiatives
- 8.2.4 Greiner Bio One International GmbH
  - 8.2.4.1 Company overview
  - 8.2.4.2 Nano3D Biosciences, Inc.
    - 8.2.4.2.1 Company overview
  - 8.2.4.3 Financial performance
  - 8.2.4.4 Product benchmarking
  - 8.2.4.5 Strategic initiatives
- 8.2.5 Corning, Inc.
  - 8.2.5.1 Company overview
  - 8.2.5.2 Financial performance
  - 8.2.5.3 Product benchmarking
  - 8.2.5.4 Strategic initiatives
- 8.2.6 3D Biomatrix
  - 8.2.6.1 Company overview
  - 8.2.6.2 Financial performance
  - 8.2.6.3 Product benchmarking
  - 8.2.6.4 Strategic initiatives
- 8.2.7 Lonza
  - 8.2.7.1 Company overview
  - 8.2.7.2 Financial performance



- 8.2.7.3 Product benchmarking
- 8.2.7.4 Strategic initiatives
- 8.2.8 Avantor Performance Materials, LLC
  - 8.2.8.1 Company overview
  - 8.2.8.2 VWR International, LLC
    - 8.2.8.2.1 Company overview
  - 8.2.8.3 Product benchmarking
  - 8.2.8.4 Strategic initiatives
- 8.2.9 Tecan Trading AG
  - 8.2.9.1 Company overview
  - 8.2.9.2 Financial performance
  - 8.2.9.3 Product benchmarking
  - 8.2.9.4 Strategic initiatives
- 8.2.10 3D Biotek LLC
  - 8.2.10.1 Company overview
  - 8.2.10.2 Financial performance
  - 8.2.10.3 Product benchmarking
  - 8.2.10.4 Strategic initiatives
- 8.2.11 Global Cell Solutions, Inc.
  - 8.2.11.1 Company overview
  - 8.2.11.2 Financial performance
  - 8.2.11.3 Product benchmarking
- 8.2.12 InSphero
  - 8.2.12.1 Company overview
  - 8.2.12.2 Financial performance
  - 8.2.12.3 Product benchmarking
  - 8.2.12.4 Strategic Initiatives

## List Of Tables

### LIST OF TABLES

Table 1. North America 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 2. North America 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 3. North America scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 4. North America scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 5. North America scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 6. North America scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 7. North America 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 8. North America 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 9. North America 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 10. North America 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 11. The U.S. 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 12. The U.S. 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 13. The U.S. scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 14. The U.S. scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 15. The U.S. scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 16. The U.S. scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 17. The U.S. 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 18. The U.S. 3D cell culture market forecasts, by application 2021 - 2028 (USD

Million)

Table 19. The U.S. 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 20. The U.S. 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 21. Canada 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 22. Canada 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 23. Canada scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 24. Canada scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 25. Canada scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 26. Canada scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 27. Canada 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 28. Canada 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 29. Canada 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 30. Canada 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 31. Europe 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 32. Europe 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 33. Europe scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 34. Europe scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 35. Europe scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 36. Europe scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 37. Europe 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 38. Europe 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 39. Europe 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 40. Europe 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 41. Germany 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 42. Germany 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 43. Germany scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 44. Germany scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 45. Germany scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 46. Germany scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 47. Germany 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 48. Germany 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 49. Germany 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 50. Germany 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 51. The U.K. 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 52. The U.K. 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 53. The U.K. scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 54. The U.K. scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 55. The U.K. scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 56. The U.K. scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 57. The U.K. 3D cell culture market estimates, by application, 2016 - 2020 (USD

Million)

Table 58. The U.K. 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 59. The U.K. 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 60. The U.K. 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 61. Asia Pacific 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 62. Asia Pacific 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 63. Asia Pacific scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 64. Asia Pacific scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 65. Asia Pacific scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 66. Asia Pacific scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 67. Asia Pacific 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 68. Asia Pacific 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 69. TABLE 70 Asia Pacific 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 70. Asia Pacific 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 71. Japan 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 72. Japan 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 73. Japan scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 74. Japan scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 75. Japan scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 76. Japan scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 77. Japan 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 78. Japan 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 79. Japan 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 80. Japan 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 81. China 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 82. China 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 83. China scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 84. China scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 85. China scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 86. China scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 87. China 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 88. China 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 89. China 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 90. China 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 91. Latin America 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 92. Latin America 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 93. Latin America scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 94. Latin America scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 95. Latin America scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 96. Latin America scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 97. Latin America 3D cell culture market estimates, by application, 2016 - 2020

(USD Million)

Table 98. Latin America 3D cell culture market forecasts, by application 2021 - 2028

(USD Million)

Table 99. Latin America 3D cell culture market estimates, by end use, 2016 - 2020

(USD Million)

Table 100. Latin America 3D cell culture market forecasts, by end use 2021 - 2028

(USD Million)

Table 101. Brazil 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 102. Brazil 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 103. Brazil scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 104. Brazil scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 105. Brazil scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 106. Brazil scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 107. Brazil 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 108. Brazil 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 109. Brazil 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 110. Brazil 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 111. Middle East & Asia 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 112. Middle East & Asia 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 113. Middle East & Asia scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 114. Middle East & Asia scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 115. Middle East & Asia scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 116. Middle East & Asia scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 117. Middle East & Asia 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 118. Middle East & Asia 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 119. Middle East & Asia 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 120. Middle East & Asia 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)

Table 121. South Africa 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 122. South Africa 3D cell culture market forecasts, by technology, 2021 - 2028 (USD Million)

Table 123. South Africa scaffold based 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 124. South Africa scaffold based 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 125. South Africa scaffold free 3D cell culture market estimates, by technology, 2016 - 2020 (USD Million)

Table 126. South Africa scaffold free 3D cell culture market forecasts, by technology 2021 - 2028 (USD Million)

Table 127. South Africa 3D cell culture market estimates, by application, 2016 - 2020 (USD Million)

Table 128. South Africa 3D cell culture market forecasts, by application 2021 - 2028 (USD Million)

Table 129. South Africa 3D cell culture market estimates, by end use, 2016 - 2020 (USD Million)

Table 130. South Africa 3D cell culture market forecasts, by end use 2021 - 2028 (USD Million)



## List Of Figures

### LIST OF FIGURES

- FIG. 1 Market research process
- FIG. 2 Information procurement
- FIG. 3 Primary research pattern
- FIG. 4 Market research approaches
- FIG. 5 Value chain based sizing & forecasting
- FIG. 6 QFD modelling for market share assessment
- FIG. 7 Market summary
- FIG. 8 Market trends & outlook
- FIG. 9 Market segmentation & scope
- FIG. 10 Market driver relevance analysis (Current & future impact)
- FIG. 11 Market restraint relevance analysis (Current & future impact)
- FIG. 12 Penetration & growth prospect mapping for technology, 2018
- FIG. 13 SWOT Analysis, By Factor (political & legal, economic and technological)
- FIG. 14 Porter's Five Forces Analysis
- FIG. 15 3D cell culture market: Technology outlook key takeaways
- FIG. 16 3D cell culture market: Technology movement analysis
- FIG. 17 Global scaffold based 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 18 Global hydrogels market, 2016 - 2028 (USD Million)
- FIG. 19 Global polymeric scaffolds market, 2016 - 2028 (USD Million)
- FIG. 20 Global micropatterned microplates market, 2016 - 2028 (USD Million)
- FIG. 21 Global scaffold free 3d cell culture market, 2016 - 2028 (USD Million)
- FIG. 22 Global hanging drop microplates market, 2016 - 2028 (USD Million)
- FIG. 23 Global spheroid microplates with ULA coating medicine market, 2016 - 2028 (USD Million)
- FIG. 24 Global microfluidic 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 25 Global magnetic levitations & 3D bioprinting market, 2016 - 2028 (USD Million)
- FIG. 26 Global bioreactors market, 2016 - 2028 (USD Million)
- FIG. 27 3D cell culture market: Application outlook key takeaways
- FIG. 28 Global 3D cell culture market: Application movement analysis
- FIG. 29 Global cancer market, 2016 - 2028 (USD Million)
- FIG. 30 Global tissue engineering & immunohistochemistry market, 2016 - 2028 (USD Million)
- FIG. 31 Global drug development market, 2016 - 2028 (USD Million)
- FIG. 32 Global stem cell research market, 2016 - 2028 (USD Million)
- FIG. 33 Global other applications market, 2016 - 2028 (USD Million)

- FIG. 34 3D cell culture market: End use outlook key takeaways
- FIG. 35 Global 3D cell culture market: End use movement analysis
- FIG. 36 Global biotechnology and pharmaceutical organizations market, 2016 - 2028 (USD Million)
- FIG. 37 Global research laboratories and institutes market, 2016 - 2028 (USD Million)
- FIG. 38 Global hospitals and diagnostic centers market, 2016 - 2028 (USD Million)
- FIG. 39 Global other end users market, 2016 - 2028 (USD Million)
- FIG. 40 Regional market place: Key takeaway
- FIG. 41 3D cell culture regional outlook, 2020 & 2028
- FIG. 42 North America 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 43 The U.S. 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 44 Canada. 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 45 Europe 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 46 Germany. 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 47 The U.K. 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 48 Asia Pacific. 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 49 Japan 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 50 China 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 51 Latin America 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 52 Brazil 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 53 Middle East & Africa 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 54 South Africa 3D cell culture market, 2016 - 2028 (USD Million)
- FIG. 55 Strategy framework
- FIG. 56 Participant categorization

## I would like to order

Product name: 3D Cell Culture Market Size, Share & Trends Analysis Report By Technology (Scaffold-free, Scaffold-based), By Application (Cancer, Stem Cell Research), By End Use, By Region, And Segment Forecasts, 2021 - 2028

Product link: <https://marketpublishers.com/r/382C64DCDFAEN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/382C64DCDFAEN.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