

3D Cell Culture - Global Market Outlook (2020-2028)

<https://marketpublishers.com/r/31C3D8C5984EN.html>

Date: June 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: 31C3D8C5984EN

Abstracts

According to Statistics MRC, the Global 3D Cell Culture Market is accounted for \$1,032.04 million in 2020 and is expected to reach \$3,801.10 million by 2028 growing at a CAGR of 17.7% during the forecast period. Increasing focus on developing alternatives to animal testing and increasing incidence of chronic diseases are driving the market growth. However, the high cost of cell biology research is restraining the market growth.

3D Cell Culture is a practice of increasing biological cells and enables biological cells to interact with their surroundings in all three dimensions. This practice allows the cells to develop in their natural environment in an in vivo condition. A variety of techniques is used to carry out culturing of cells in all three dimensions.

Based on the technology, the scaffold-based 3D cell cultures segment is going to have lucrative growth during the forecast period due to the availability of a variety of materials and structural choices and also advantages such as ease of imaging and simple assay protocol.

By geography, Asia Pacific is going to have high growth during the forecast period due to the increase in drug discoveries and the rise in emphasis on the biotechnology industry. Also, the certain number of research and development projects is being initiated in countries. The Government of Japan is focusing more on cell-based regenerative medicine and also the country is making effort in launching new products in the market.

Some of the key players profiled in the 3D Cell Culture include 3D Biotek, Advanced BioMatrix, CN Bio, Corning Incorporated, Emulate, Greiner Bio-One International, Hurel Corporation, Hamilton Company, InSphero, Lonza AG, Merck KGaA, MIMETAS, PromoCell, QGel SA, REPROCELL Incorporated, Synthecon, SynVivo, Thermo Fisher

Scientific, and Tissue Use.

Products Covered:

Consumables

Instruments

Purposes Covered:

Research Use

Therapeutic Use

Technologies Covered:

Scaffold-Based 3D Cell Cultures

Scaffold-Free 3D Cell Cultures

Other Technologies

Applications Covered:

Biotech Research

Cancer & Stem Cell Research

Clinical Applications

Drug Discovery & Toxicology Testing

Gene Therapy

Immunohistochemistry

Neuroscience

Screening & Development

Tissue Engineering & Regenerative Medicine

Tumor Model

End Users Covered:

Biopharmaceutical Industry

Contract Research Laboratories & Academic Institutes

Cosmetics Industry

Hospitals and Diagnostic Centers

Pharmaceutical & Biotechnology Companies

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Product Analysis
- 3.7 Technology Analysis
- 3.8 Application Analysis
- 3.9 End User Analysis
- 3.10 Emerging Markets
- 3.11 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants

4.5 Competitive rivalry

5 GLOBAL 3D CELL CULTURE MARKET, BY PRODUCT

5.1 Introduction

5.2 Consumables

5.2.1 Reagents

5.2.2 Glassware

5.2.3 3D Multi-Well Plates

5.2.4 Media

5.3 Instruments

5.3.1 Flow Cytometer

5.3.2 Cell Culture Chips

6 GLOBAL 3D CELL CULTURE MARKET, BY PURPOSE

6.1 Introduction

6.2 Research Use

6.3 Therapeutic Use

7 GLOBAL 3D CELL CULTURE MARKET, BY TECHNOLOGY

7.1 Introduction

7.2 Scaffold-Based 3D Cell Cultures

7.2.1 Macro-Porous Scaffolds

7.2.2 Solid Scaffolds

7.2.3 Hydrogel-Based 3D Cell Culture/ECM (Extracellular Matrix) Analogs

7.2.4 Solid Scaffolds

7.2.5 Micropatterned Surface Microplates

7.2.6 Polymeric Hard Material-Based 3D Cell Culture

7.2.7 Nanofiber Based Scaffolds

7.2.8 Fibrous Scaffolds

7.2.9 Synthetic

7.2.10 Natural

7.3 Scaffold-Free 3D Cell Cultures

7.3.1 Hanging Drop Microplates

7.3.2 Low Attachment Plates

7.3.3 Spheroid Microplates with Ultra-Low Attachment (ULA) Coating

7.3.4 3D Petri Dishes

- 7.3.5 Microfluidics-Based 3D Cell Cultures
- 7.3.6 Forced Floating
- 7.3.7 Agitation Based Methods
- 7.4 Other Technologies
 - 7.4.1 3D Bioreactors
 - 7.4.2 Microchips
 - 7.4.3 Services
 - 7.4.4 Magnetic Levitations & Bioprinted 3D Cell Cultures
 - 7.4.5 Suspension Culture System
 - 7.4.6 Microcarriers
 - 7.4.7 Attachment Resistant Surfaces
 - 7.4.8 3D Petrisidhes
 - 7.4.9 Membrane Type
 - 7.4.10 Foam/Gel Type
 - 7.4.11 Cells & Tissues
 - 7.4.12 Assay Kits
 - 7.4.13 Incubators
 - 7.4.14 Sera

8 GLOBAL 3D CELL CULTURE MARKET, BY APPLICATION

- 8.1 Introduction
- 8.2 Biotech Research
- 8.3 Cancer & Stem Cell Research
- 8.4 Clinical Applications
- 8.5 Drug Discovery & Toxicology Testing
- 8.6 Gene Therapy
- 8.7 Immunohistochemistry
- 8.8 Neuroscience
- 8.9 Screening & Development
- 8.10 Tissue Engineering & Regenerative Medicine
- 8.11 Tumor Model

9 GLOBAL 3D CELL CULTURE MARKET, BY END USER

- 9.1 Introduction
- 9.2 Biopharmaceutical Industry
- 9.3 Contract Research Laboratories & Academic Institutes
- 9.4 Cosmetics Industry

9.5 Hospitals and Diagnostic Centers

9.6 Pharmaceutical & Biotechnology Companies

10 GLOBAL 3D CELL CULTURE MARKET, BY GEOGRAPHY

10.1 Introduction

10.2 North America

10.2.1 US

10.2.2 Canada

10.2.3 Mexico

10.3 Europe

10.3.1 Germany

10.3.2 UK

10.3.3 Italy

10.3.4 France

10.3.5 Spain

10.3.6 Rest of Europe

10.4 Asia Pacific

10.4.1 Japan

10.4.2 China

10.4.3 India

10.4.4 Australia

10.4.5 New Zealand

10.4.6 South Korea

10.4.7 Rest of Asia Pacific

10.5 South America

10.5.1 Argentina

10.5.2 Brazil

10.5.3 Chile

10.5.4 Rest of South America

10.6 Middle East & Africa

10.6.1 Saudi Arabia

10.6.2 UAE

10.6.3 Qatar

10.6.4 South Africa

10.6.5 Rest of Middle East & Africa

11 KEY DEVELOPMENTS

11.1 Agreements, Partnerships, Collaborations and Joint Ventures

11.2 Acquisitions & Mergers

11.3 New Product Launch

11.4 Expansions

11.5 Other Key Strategies

12 COMPANY PROFILING

12.1 Thermo Fisher Scientific

12.2 Corning Incorporated

12.3 Merck KGaA

12.4 Lonza AG

12.5 REPROCELL Incorporated

12.6 TissUse

12.7 InSphero

12.8 Synthecon

12.9 3D Biotek

12.10 CN Bio

12.11 Hamilton Company

12.12 MIMETAS

12.13 Emulate

12.14 Hprel Corporation

12.15 QGel SA

12.16 SynVivo

12.17 Advanced BioMatrix

12.18 Greiner Bio-One International

12.19 PromoCell

List Of Tables

LIST OF TABLES

- Table 1 Global 3D Cell Culture Market Outlook, By Region (2019-2028) (\$MN)
- Table 2 Global 3D Cell Culture Market Outlook, By Product (2019-2028) (\$MN)
- Table 3 Global 3D Cell Culture Market Outlook, By Consumables (2019-2028) (\$MN)
- Table 4 Global 3D Cell Culture Market Outlook, By Reagents (2019-2028) (\$MN)
- Table 5 Global 3D Cell Culture Market Outlook, By Glassware (2019-2028) (\$MN)
- Table 6 Global 3D Cell Culture Market Outlook, By 3D Multi-Well Plates (2019-2028) (\$MN)
- Table 7 Global 3D Cell Culture Market Outlook, By Media (2019-2028) (\$MN)
- Table 8 Global 3D Cell Culture Market Outlook, By Instruments (2019-2028) (\$MN)
- Table 9 Global 3D Cell Culture Market Outlook, By Flow Cytometer (2019-2028) (\$MN)
- Table 10 Global 3D Cell Culture Market Outlook, By Cell Culture Chips (2019-2028) (\$MN)
- Table 11 Global 3D Cell Culture Market Outlook, By Purpose (2019-2028) (\$MN)
- Table 12 Global 3D Cell Culture Market Outlook, By Research Use (2019-2028) (\$MN)
- Table 13 Global 3D Cell Culture Market Outlook, By Therapeutic Use (2019-2028) (\$MN)
- Table 14 Global 3D Cell Culture Market Outlook, By Technology (2019-2028) (\$MN)
- Table 15 Global 3D Cell Culture Market Outlook, By Scaffold-Based 3D Cell Cultures (2019-2028) (\$MN)
- Table 16 Global 3D Cell Culture Market Outlook, By Macro-Porous Scaffolds (2019-2028) (\$MN)
- Table 17 Global 3D Cell Culture Market Outlook, By Solid Scaffolds (2019-2028) (\$MN)
- Table 18 Global 3D Cell Culture Market Outlook, By Hydrogel-Based 3D Cell Culture/ECM (Extracellular Matrix) Analogs (2019-2028) (\$MN)
- Table 19 Global 3D Cell Culture Market Outlook, By Solid Scaffolds (2019-2028) (\$MN)
- Table 20 Global 3D Cell Culture Market Outlook, By Micropatterned Surface Microplates (2019-2028) (\$MN)
- Table 21 Global 3D Cell Culture Market Outlook, By Polymeric Hard Material-Based 3D Cell Culture (2019-2028) (\$MN)
- Table 22 Global 3D Cell Culture Market Outlook, By Nanofiber Based Scaffolds (2019-2028) (\$MN)
- Table 23 Global 3D Cell Culture Market Outlook, By Fibrous Scaffolds (2019-2028) (\$MN)
- Table 24 Global 3D Cell Culture Market Outlook, By Synthetic (2019-2028) (\$MN)
- Table 25 Global 3D Cell Culture Market Outlook, By Natural (2019-2028) (\$MN)

Table 26 Global 3D Cell Culture Market Outlook, By Scaffold-Free 3D Cell Cultures (2019-2028) (\$MN)

Table 27 Global 3D Cell Culture Market Outlook, By Hanging Drop Microplates (2019-2028) (\$MN)

Table 28 Global 3D Cell Culture Market Outlook, By Low Attachment Plates (2019-2028) (\$MN)

Table 29 Global 3D Cell Culture Market Outlook, By Spheroid Microplates with Ultra-Low Attachment (ULA) Coating (2019-2028) (\$MN)

Table 30 Global 3D Cell Culture Market Outlook, By 3D Petri Dishes (2019-2028) (\$MN)

Table 31 Global 3D Cell Culture Market Outlook, By Microfluidics-Based 3D Cell Cultures (2019-2028) (\$MN)

Table 32 Global 3D Cell Culture Market Outlook, By Forced Floating (2019-2028) (\$MN)

Table 33 Global 3D Cell Culture Market Outlook, By Agitation Based Methods (2019-2028) (\$MN)

Table 34 Global 3D Cell Culture Market Outlook, By Other Technologies (2019-2028) (\$MN)

Table 35 Global 3D Cell Culture Market Outlook, By 3D Bioreactors (2019-2028) (\$MN)

Table 36 Global 3D Cell Culture Market Outlook, By Microchips (2019-2028) (\$MN)

Table 37 Global 3D Cell Culture Market Outlook, By Services (2019-2028) (\$MN)

Table 38 Global 3D Cell Culture Market Outlook, By Magnetic Levitations & Bioprinted 3D Cell Cultures (2019-2028) (\$MN)

Table 39 Global 3D Cell Culture Market Outlook, By Suspension Culture System (2019-2028) (\$MN)

Table 40 Global 3D Cell Culture Market Outlook, By Microcarriers (2019-2028) (\$MN)

Table 41 Global 3D Cell Culture Market Outlook, By Attachment Resistant Surfaces (2019-2028) (\$MN)

Table 42 Global 3D Cell Culture Market Outlook, By 3D Petrisidhes (2019-2028) (\$MN)

Table 43 Global 3D Cell Culture Market Outlook, By Membrane Type (2019-2028) (\$MN)

Table 44 Global 3D Cell Culture Market Outlook, By Foam/Gel Type (2019-2028) (\$MN)

Table 45 Global 3D Cell Culture Market Outlook, By Cells & Tissues (2019-2028) (\$MN)

Table 46 Global 3D Cell Culture Market Outlook, By Assay Kits (2019-2028) (\$MN)

Table 47 Global 3D Cell Culture Market Outlook, By Incubators (2019-2028) (\$MN)

Table 48 Global 3D Cell Culture Market Outlook, By Sera (2019-2028) (\$MN)

Table 49 Global 3D Cell Culture Market Outlook, By Application (2019-2028) (\$MN)

Table 50 Global 3D Cell Culture Market Outlook, By Biotech Research (2019-2028) (\$MN)

Table 51 Global 3D Cell Culture Market Outlook, By Cancer & Stem Cell Research (2019-2028) (\$MN)

Table 52 Global 3D Cell Culture Market Outlook, By Clinical Applications (2019-2028) (\$MN)

Table 53 Global 3D Cell Culture Market Outlook, By Drug Discovery & Toxicology Testing (2019-2028) (\$MN)

Table 54 Global 3D Cell Culture Market Outlook, By Gene Therapy (2019-2028) (\$MN)

Table 55 Global 3D Cell Culture Market Outlook, By Immunohistochemistry (2019-2028) (\$MN)

Table 56 Global 3D Cell Culture Market Outlook, By Neuroscience (2019-2028) (\$MN)

Table 57 Global 3D Cell Culture Market Outlook, By Screening & Development (2019-2028) (\$MN)

Table 58 Global 3D Cell Culture Market Outlook, By Tissue Engineering & Regenerative Medicine (2019-2028) (\$MN)

Table 59 Global 3D Cell Culture Market Outlook, By Tumor Model (2019-2028) (\$MN)

Table 60 Global 3D Cell Culture Market Outlook, By End User (2019-2028) (\$MN)

Table 61 Global 3D Cell Culture Market Outlook, By Biopharmaceutical Industry (2019-2028) (\$MN)

Table 62 Global 3D Cell Culture Market Outlook, By Contract Research Laboratories & Academic Institutes (2019-2028) (\$MN)

Table 63 Global 3D Cell Culture Market Outlook, By Cosmetics Industry (2019-2028) (\$MN)

Table 64 Global 3D Cell Culture Market Outlook, By Hospitals and Diagnostic Centers (2019-2028) (\$MN)

Table 65 Global 3D Cell Culture Market Outlook, By Pharmaceutical & Biotechnology Companies (2019-2028) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

I would like to order

Product name: 3D Cell Culture - Global Market Outlook (2020-2028)

Product link: <https://marketpublishers.com/r/31C3D8C5984EN.html>

Price: US\$ 4,150.00 (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/31C3D8C5984EN.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