

3D Cell Culture Market Report: Trends, Forecast and Competitive Analysis to 2030

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Abstracts

3D Cell Culture Trends and Forecast

The future of the global 3D cell culture market looks promising with opportunities in the pharmaceutical & biotechnology company, research institute, and cosmetics industry markets. The global 3D cell culture market is expected to reach an estimated \$3.1 billion by 2030 with a CAGR of 13.7% from 2024 to 2030. The major drivers for this market are rising efforts to develop potential alternatives to animal-based testing, increased worldwide acceptance of customized medicine for a variety of conditions, and growing collaboration between business and academics on 3D cell culture and research.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

3D Cell Culture by Segment

The study includes a forecast for the global 3D cell culture by product, application, end use, and region.

3D Cell Culture Market by Product [Shipment Analysis by Value from 2018 to 2030]:

Scaffold-Based 3D Cell

Scaffold-Free 3D Cell

Microfluidics-Based 3D Cell

Magnetic & Bioprinted 3D Cell

3D Cell Culture Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Cancer & Stem Cell Research

Drug Discovery & Toxicology Testing

Tissue Engineering & Regenerative Medicine

Others

3D Cell Culture Market by End Use [Shipment Analysis by Value from 2018 to 2030]:

Pharmaceutical & Biotechnology Company

Research Institute

Cosmetics Industry

Others

3D Cell Culture Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

List of 3D Cell Culture Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies 3D cell culture companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the 3D cell culture companies profiled in this report include-

Thermo Fisher Scientific

Merck

Corning

Lonza

Avantor

Tecan

3D Biotek

Lena bioscience

AMSBIO

Nanofiber solutions

3D Cell Culture Market Insights

Lucintel forecasts that scaffold-based 3D cell will remain the largest segment over the forecast period because of the benefits of scaffolds in 3D cell cultures, such as structural stiffness, attachment point availability.

North America will remain the largest region over the forecast period due to its prominence as a hub for sophisticated R&D in biotechnology and pharmaceuticals, as well as its concentration on developing ground-breaking cell culture models and techniques.

Features of the Global 3D Cell Culture Market

Market Size Estimates: 3D cell culture market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030) by various segments and regions.

Segmentation Analysis: 3D cell culture market size by product, application, end use, and region in terms of value (\$B).

Regional Analysis: 3D cell culture market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different product, application, end use, and regions for the 3D cell culture market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the 3D cell culture market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the 3D cell culture market size?

Answer: The global 3D cell culture market is expected to reach an estimated \$3.1 billion by 2030.

Q2. What is the growth forecast for 3D cell culture market?

Answer: The global 3D cell culture market is expected to grow with a CAGR of 13.7% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the 3D cell culture market?

Answer: The major drivers for this market are rising efforts to develop potential alternatives to animal-based testing, increased worldwide acceptance of customized medicine for a variety of conditions, and growing collaboration between business and

academics on 3D cell culture and research.

Q4. What are the major segments for 3D cell culture market?

Answer: The future of the global 3D cell culture market looks promising with opportunities in the pharmaceutical & biotechnology company, research institute, and cosmetics industry markets.

Q5. Who are the key 3D cell culture market companies?

Answer: Some of the key 3D cell culture companies are as follows:

Thermo Fisher Scientific

Merck

Corning

Lonza

Avantor

Tecan

3D Biotek

Lena bioscience

AMSBIO

Nanofiber solutions

Q6. Which 3D cell culture market segment will be the largest in future?

Answer: Lucintel forecasts that scaffold-based 3D cell will remain the largest segment over the forecast period because of the benefits of scaffolds in 3D cell cultures, such as structural stiffness, attachment point availability.

Q7. In 3D cell culture market, which region is expected to be the largest in next 5 years?

Answer: North America will remain the largest region over the forecast period due to its prominence as a hub for sophisticated R&D in biotechnology and pharmaceuticals, as well as its concentration on developing ground-breaking cell culture models and techniques.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the 3D cell culture market by product (scaffold-based 3D cell, scaffold-free 3D cell, microfluidics-based 3D cell, and magnetic & bioprinted 3D cell), application (cancer & stem cell research, drug discovery & toxicology testing, tissue engineering & regenerative medicine, and others), end use (pharmaceutical & biotechnology company, research institute, cosmetics industry, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to 3D Cell Culture Market, 3D Cell Culture Market Size, 3D Cell Culture Market Growth, 3D Cell Culture Market Analysis, 3D Cell Culture Market Report, 3D Cell Culture Market Share, 3D Cell Culture Market Trends, 3D Cell Culture Market Forecast, 3D Cell Culture Companies, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

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- 7.8: Lena bioscience
- 7.9: AMSBIO
- 7.10: Nanofiber solutions

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