

# Global 3D Cell Culture Market: Size, Trend, Share, Opportunity Analysis & Forecast, 2014-2025

<https://marketpublishers.com/r/G85247346B5EN.html>

Date: February 2017

Pages: 0

Price: US\$ 3,619.00 (Single User License)

ID: G85247346B5EN

## Abstracts

3D cell culture is the technique in which an artificial environment is provided for the growth of cell and their interaction with the surroundings in all the 3 dimensions. 3D cell culture provides an artificial environment to the cells, which is the same as in vivo environment. This technique stimulates normal cells to differentiate, proliferate, and migrate by interacting with their three-dimensional surroundings. The global 3D cell culture market is expected to grow at a CAGR of 29.4% from 2017 to 2025.

Based on product type, the global 3D cell culture market is segmented as scaffold based platforms, gels, bioreactors, microchips, and services. Based on applications, the market is segmented as cancer research, stem cell research, drug discovery, and regenerative medicines. On the basis of end users, the market is divided as biotechnology and pharmaceutical companies, contract research laboratories, and academic institutes. Geographic breakdown and deep analysis of each of the aforesaid segments is included for North America, Europe, Asia-Pacific, and LAMEA.

## MARKET DYNAMICS:

Drivers:

Increase in investment from government and private organizations.

Rise in demand for organ transplant.

Rise in demand for drug discovery.

Rise in prevalence rate of cancer.

**Restraints:**

Lack of skilled professionals.

**MARKET PLAYERS:**

The top players in the global 3D cell culture market include 3D Biotek, LLC, Advanced Biomatrix, Inc., Becton, Dickinson and Company, Corning Incorporated; Kuraray Co., Ltd., Lonza Group Ltd., Merck & Co., Inc., Synthecon, Incorporated, Thermo Fisher Scientific Inc., and VWR Corporation.

**KEY TAKEAWAYS****MARKET LANDSCAPE**

## By Product Type

## Scaffold-Based Platforms

Macro-Porous Scaffolds

Micro-Porous Scaffolds

Nano-Porous Scaffolds

Solid Scaffolds

## Scaffold-Free Platforms

Gels

Bioreactors

Microchips

Services

## By Application

Cancer Research

Stem Cell Research

Drug Discovery

Regenerative Medicine

## By End User

Biotechnology & Pharmaceutical Companies

Contract Research Laboratories

Academic Institutes

## By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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