

# Cell Culture Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014–2025

https://marketpublishers.com/r/CCAD344F7ABEN.html

Date: February 2017

Pages: 0

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

ID: CCAD344F7ABEN

#### **Abstracts**

Cell culture refers to the removal of cells from an animal or plant and their subsequent growth in a favorable artificial environment. The cells may be removed from the tissue directly and disaggregated by enzymatic or mechanical means before cultivation, or they may be derived from a cell line or cell strain that has already been established. In cell culture, culture conditions of particular cells are maintained, such as in a substrate or medium that provides essential nutrients, growth factors, hormones, gases, and a regulated physio-chemical environment in which their pH, temperature and osmotic pressure is maintained. The global cell culture market is expected to grow at a CAGR of 11.2% from 2017 to 2025.

On the basis of product, the market is divided into instruments and consumables. Based on application, the market is bifurcated into cancer research, drug screening & development, biopharmaceutical, tissue engineering & regenerative medicine, stem cell technology, and other applications. On the basis of the end-users, the market is divided into research institutes and pharmaceutical & biotechnology companies. Geographic breakdown and deep analysis of each of the aforementioned segments have resulted into the following regions: North America, Europe, Asia-Pacific, and LAMEA.

#### **MARKET DYNAMICS:**

#### Drivers:

Rise in regulatory approvals for research and development for vaccines and diseases that need cell culture

Increase in single use technology



Advancement	in	technologie	es for	cell	culture

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Lack of advanced infrastructure for cell culture

#### **MARKET PLAYERS:**

The top players in the global cell culture market include Thermo Fisher Scientific Inc., GE Healthcare, Merck KGaA, Lonza Group AG, Becton Dickinson And Co, Corning Inc., Eppendorf AG, HiMedia Laboratories, PromoCell GmbH, and Sartorius AG.

#### **KEY TAKEAWAYS**

#### **MARKET LANDSCAPE**

By Type

Instruments

Cell Culture Vessels

Flasks

Multiwell Plates

Petri Dishes

Cell Factory

Roller Bottles

Bioreactors

Single-use Bioreactors



#### Conventional Bioreactors

Cell Culture Supporting Instruments **Cell Counters** Microscopes **Biosafety Cabinets** Filtration Systems Centrifuges CO<sub>2</sub> Incubators Autoclaves Other Supporting Instruments Cell Culture Storage Equipment Refrigerators and Freezers Cryostorage Systems Consumables Sera, Media, and Reagents Sera Fetal Bovine Sera (FBS) Adult Bovine Sera (ABS) Other Animal Sera

Media



Classical Media & Salts

Serum-free Media

Specialty Media

Stem Cell Media

## Reagents

Supplements & Growth Factors

Cryoprotective Agents

Antibiotics/Antimycotics

**Buffers & Chemicals** 

Cell Dissociation Reagents

**Balanced Salt Solution** 

Contamination Detection Kits

Other Reagents

**Bioreactor Accessories** 

By Application

Cancer Research

Drug Screening & Development

Biopharmaceutical

Vaccine Production



Diagnostics		
Therapeutic Protein		
Tissue Engineering & Regenerative Medicine		
Stem Cell Technology		
Other Applications		
By End-user		
Research Institutes		
Pharmaceuticals and Biotechnology Companies		
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	A	
	Brazil	
	Saudi Arabia	
	South Africa	
	Rest of LAMEA	



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