

# Global Markets for Media, Sera and Reagents in Biotechnology

<https://marketpublishers.com/r/GC23758C4F2EN.html>

Date: September 2021

Pages: 195

Price: US\$ 2,750.00 (Single User License)

ID: GC23758C4F2EN

## Abstracts

### Report Scope:

The current report offers a detailed picture of media, sera and reagents in biotechnology.

This report highlights the current and future market potential for media, sera and reagents in biotechnology and provides a detailed analysis of the competitive environment, regulatory scenario, drivers, restraints, opportunities and trends in the market. This report also covers market projections through 2026 and key market players.

The report details market shares of media, sera and reagents in cell culture. Market analysis in the media segment is divided into specialty media and classical media based on composition. Based on formulation, the media are divided into powdered media and ready-to-use liquid media. Based on serum component, media are segmented into serum-free media and serum-requiring media. The market for sera is segmented based on the source of serum into fetal bovine serum and other sera which includes sera from animal sources such as goats, porcine, rabbits, etc. The reagents market is segmented into reagents: biological response modifiers, cell dissociation reagents and others (amino acids, antibiotics, etc.). By geography, the market has been segmented into North America, Europe, the Asia-Pacific region, Middle East and Africa and South America. North America includes the U.S., Canada and Mexico, Europe includes Germany, the U.K., France, Italy, Spain and the Rest of Europe. The Asia-Pacific region includes China, India, Japan, Australia, New Zealand and the Rest of Asia-Pacific.

### Report Includes:

61 data tables and 44 additional tables

An updated review of current and future global markets for media, sera and reagents in the cell culture industry and its sub-segments

Analyses of the global market trends, with data from 2019-2020, estimates for 2021, and projections of compound annual growth rates (CAGRs) through 2026

Discussion of major factors driving the growth of this market, industry structure, regulatory scenario, and penetration of technologies related to media, sera, and reagents in biotechnology

Estimation of the market size and market forecast for global media, sera, and reagents in biotechnology, and corresponding market share analysis by product type, end use, and region

Country specific data and market value analysis for the U.S., Canada, Mexico, Germany, UK, France, Italy, Spain, Japan, China, India, Australia and New Zealand, the Middle East and Africa

Highlights of emerging technology trends, opportunities and gaps estimating current and future demand for cell culture products; and impact analysis of COVID-19 on the progress of this market

A relevant patent analysis with significant allotments of patent issued for cell culture media, sera and reagents in biotechnology across each major category

Insight into the recent industry strategies, M&A deals of the major players operating within the global market; their key competitive landscape and company share analysis

Profile descriptions of the leading industry players, including Bio-Techne, Corning Inc., Fujifilm Holdings Corp., GE Healthcare, Merck KGaA and Thermo Fisher Scientific Inc.

## Contents

### **CHAPTER 1 INTRODUCTION**

Study Goals and Objectives  
Reasons for Doing this Study  
Scope of Report  
Information Sources  
Methodology  
What's New in this Report?  
Geographic Breakdown  
Analyst's Credentials  
BCC Custom Research  
Related BCC Research Reports

### **CHAPTER 2 SUMMARY AND HIGHLIGHTS**

### **CHAPTER 3 MARKET AND TECHNOLOGY BACKGROUND**

Industry Definitions  
Historical Background of the Evolution of Cell Culture  
Types of Cell Culture  
Primary Culture  
Secondary Culture  
Morphology of Cells in Culture  
Cell Culture Contamination and Quality Control  
Cell Culture Contamination  
Quality Controls in Cell Culture  
Basic Components of Culture Media  
Buffering Systems  
Phenol Red  
Inorganic Salts  
Amino Acids  
Carbohydrates  
Proteins and Peptides  
Fatty Acids and Lipids  
Vitamins  
Trace Elements  
Media Supplements

Antibiotics  
Serum  
Cell Culture Applications

## **CHAPTER 4 IMPACT OF COVID-19 PANDEMIC**

Introduction  
Outbreak  
Impact of COVID-19 on Markets

## **CHAPTER 5 MARKET DYNAMICS**

Market Drivers  
Growing Demand  
Technological Advancements  
Expansion of Cell Cultures  
R&D and Regenerative Medicines  
Market Restraints  
Ethical Issues and Regulatory Constraints  
Lack of Skilled Technicians and Poor Infrastructure  
Market Opportunities  
Rising Demand for 3D Cell Cultures  
Drug Discovery and Growing CRO

## **CHAPTER 6 MARKET BREAKDOWN BY PRODUCT TYPE**

Global Market for Media, Sera and Reagents in Biotechnology, by Product Type  
Reagents  
Biological Response Modifiers (BRMs)  
Cell Dissociation Reagents  
Other Reagents  
Market Size and Forecast  
Media  
Based on Serum  
Based on Formulation  
Based on Composition  
Market Size and Forecast  
Sera  
Bovine Sera/Fetal Bovine Sera

Other Sera  
Market Size and Forecast

## **CHAPTER 7 MARKET BREAKDOWN BY END USE**

Global Market for Media, Sera and Reagents in Biotechnology, by End Use  
Production  
Research  
Contract  
Other End Uses

## **CHAPTER 8 MARKET BREAKDOWN BY REGION**

Global Market for Media, Sera and Reagents in Biotechnology, by Region  
North America  
Europe  
Asia-Pacific  
South America  
Middle East and Africa

## **CHAPTER 9 REGULATORY SCENARIOS**

Introduction  
Biological License Applications  
Biological Administrative Actions  
Recalls  
Serum Regulatory Scenario

## **CHAPTER 10 COMPETITIVE LANDSCAPE**

Overview  
Company Market Shares of Media, Sera and Reagents in Biotechnology  
Media  
Sera  
Reagents

## **CHAPTER 11 PATENT ANALYSIS**

Patents Granted by Year

Patents Granted by Type  
Patents Granted by Company/Patent Holder  
Patents Granted by Assignee's Country  
Patents Granted by Assignee Type

## **CHAPTER 12 COMPANY PROFILES**

ATHENA ENVIRONMENTAL SCIENCES INC.  
BIO-TECHNE  
BECTON, DICKINSON AND CO. (BD)  
BIOWEST  
BOVOGEN BIOLOGICALS PTY LTD.  
CELL CULTURE TECHNOLOGIES LLC  
CORNING INC.  
FUJIFILM HOLDINGS CORP.  
GENERAL ELECTRIC CO.  
GEMINI BIO-PRODUCTS INC.  
LONZA GROUP  
MERCK MILLIPORE  
MILTENYI BIOTEC  
PEPROTECH INC.  
PROMOCELL GMBH  
REPROCELL INC.  
THERMO FISHER SCIENTIFIC INC.

## List Of Tables

### LIST OF TABLES

Summary Table: Global Market for Media, Sera and Reagents in Biotechnology, by Region, Through 2026

Table 1: Timeline of the Evolution of Cell Culture

Table 2: Primary versus Continuous Cell Lines

Table 3: Antibiotics Used in Cell Culture Media

Table 4: Number of Biological License Application Approvals, 2010-2020

Table 5: Regenerative Product Pipeline

Table 6: Ethical Issues in Different Phases of Stem Cell Research

Table 7: Cell Characteristics Between 2D and 3D Cell Culture

Table 8: Global Market for Media, Sera and Reagents in Biotechnology, by Product Type, Through 2026

Table 9: Global Market for Media, Sera and Reagents in Biotechnology, by Reagents Type, Through 2026

Table 10: Global Market for Cell Culture Reagents, by Region, Through 2026

Table 11: Global Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 12: Global Market for Media, Sera and Reagents in Biotechnology, by Formulation, Through 2026

Table 13: Global Market for Media, Sera and Reagents in Biotechnology, by Composition, Through 2026

Table 14: Global Market for Cell Culture Media, by Region, Through 2026

Table 15: Global Market for Media, Sera and Reagents in Biotechnology, by Serum Type, Through 2026

Table 16: Global Market for Cell Culture Sera, by Region, Through 2026

Table 17: Global Market for Media, Sera and Reagents in Biotechnology, by End Use, Through 2026

Table 18: Global Market for Media, Sera and Reagents in Production End Uses, by Region, Through 2026

Table 19: Global Market for Media, Sera and Reagents in Research End Uses, by Region, Through 2026

Table 20: Global Market for Media, Sera and Reagents in Contract End Uses, by Region, Through 2026

Table 21: Global Market for Media, Sera and Reagents in Other End Uses, by Region, Through 2026

Table 22: Global Market for Media, Sera and Reagents in Biotechnology, by Region,

Through 2026

Table 23: North American Market for Media, Sera and Reagents in Biotechnology, by Product Type, Through 2026

Table 24: North American Market for Media, Sera and Reagents in Biotechnology, by Reagent Type, Through 2026

Table 25: North American Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 26: North American Market for Media, Sera and Reagents in Biotechnology, by Formulation, Through 2026

Table 27: North American Market for Media, Sera and Reagents in Biotechnology, by Composition, Through 2026

Table 28: North American Market for Media, Sera and Reagents in Biotechnology, by Serum Type, Through 2026

Table 29: North American Market for Media, Sera and Reagents in Biotechnology, by End Use, Through 2026

Table 30: North American Market for Media, Sera and Reagents in Biotechnology, by Country, Through 2026

Table 31: European Market for Media, Sera and Reagents in Biotechnology, by Product Type, Through 2026

Table 32: European Market for Media, Sera and Reagents in Biotechnology, by Reagent Type, Through 2026

Table 33: European Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 34: European Market for Media, Sera and Reagents in Biotechnology, by Formulation, Through 2026

Table 35: European Market for Media, Sera and Reagents in Biotechnology, by Composition, Through 2026

Table 36: European Market for Media, Sera and Reagents in Biotechnology, by Sera Type, Through 2026

Table 37: European Market for Media, Sera and Reagents in Biotechnology, by End Use, Through 2026

Table 38: European Market for Media, Sera and Reagents in Biotechnology, by Country, Through 2026

Table 39: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Product Type, Through 2026

Table 40: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Reagent Type, Through 2026

Table 41: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026



Table 42: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Formulation, Through 2026

Table 43: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Composition, Through 2026

Table 44: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 45: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by End Use, Through 2026

Table 46: Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, by Country, Through 2026

Table 47: South American Market for Media, Sera and Reagents in Biotechnology, by Product Type, Through 2026

Table 48: South American Market for Media, Sera and Reagents in Biotechnology, by Reagent Type, Through 2026

Table 49: South American Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 50: South American Market for Media, Sera and Reagents in Biotechnology, by Formulation, Through 2026

Table 51: South American Market for Media, Sera and Reagents in Biotechnology, by Composition, Through 2026

Table 52: South American Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 53: South American Market for Media, Sera and Reagents in Biotechnology, by End Use, Through 2026

Table 54: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by Product Type, Through 2026

Table 55: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by Reagent Type, Through 2026

Table 56: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 57: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by Formulation, Through 2026

Table 58: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by Composition, Through 2026

Table 59: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by Serum, Through 2026

Table 60: Middle East and African Market for Media, Sera and Reagents in Biotechnology, by End Use, Through 2026

Table 61: Biological License Approvals, 2016-2018

Table 62: Biological Administrative Action Against Hct/P Manufacturer, 2016-2018

Table 63: Recalls, 2016-2018

Table 64: Global Ranking of Manufacturers, Serum-Free Media, 2020

Table 65: Global Ranking of Manufacturers, Serum-Requiring Media, 2020

Table 66: Global Ranking of Manufacturers, Powdered Media, 2020

Table 67: Global Ranking of Manufacturers, Liquid Media, 2020

Table 68: Global Ranking of Manufacturers, Classical Media, 2020

Table 69: Global Ranking of Manufacturers, Specialty Media, 2020

Table 70: Global Ranking of Manufacturers, Serum, 2020

Table 71: Global Ranking of Manufacturers, Reagents, 2020

Table 72: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Year, 2014-2016

Table 73: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Product Type, 2014-Nov. 2016

Table 74: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Company/Patent Holder, 2014–Nov. 2016

Table 75: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Assignee's Country, 2014–Nov. 2016

Table 76: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Assignee Type, 2014–Nov. 2016

Table 77: Patents Granted on Cell Culture Media, Sera and Reagent Products

Table 78: Athena Environmental Sciences Inc.: Cell Culture Product Portfolio

Table 79: Bio-Techne: Product Portfolio

Table 80: Bio-Techne: Recent Developments, 2021

Table 81: BD: Cell Culture Product Portfolio

Table 82: Biowest: Cell Culture Product Portfolio

Table 83: Bovogen Biologicals Pty Ltd.: Cell Culture Product Portfolio

Table 84: Cell Culture Technologies LLC: Cell Culture Product Portfolio

Table 85: Cell Culture Technologies LLC: Recent Developments, 2021

Table 86: Corning Inc.: Product Portfolio

Table 87: Corning Inc.: Recent Developments, 2021

Table 88: Fujifilm Holdings Corp.: Company Financials, 2019

Table 89: Fujifilm Holdings Corp.: Product Portfolio

Table 90: Fujifilm Holdings Corp: Recent Developments, 2021

Table 91: GE Healthcare: Cell Culture Product Portfolio

Table 92: GE Healthcare: Recent Developments, 2021

Table 93: Gemini Bio-Products Inc.: Product Portfolio

Table 94: Gemini Bio-Products Inc: Recent Developments, 2021

Table 95: Lonza: Product Portfolio

Table 96: Lonza: Recent Developments, 2021

Table 97: Merck KGaA: Product Portfolio

Table 98: Merck KGaA: Recent Developments, 2021

Table 99: Miltenyi Biotec: Cell Culture Product Portfolio

Table 100: PeproTech, Inc.: Cell Culture Product Portfolio

Table 101: PromoCell GmbH: Cell Culture Product Portfolio

Table 102: Reprocell Inc.: Cell Culture Product Portfolio

Table 103: Thermo Fisher Scientific Inc.: Product Portfolio

Table 104: Thermo Fisher Scientific Inc.: Recent Developments, 2021

## List Of Figures

### LIST OF FIGURES

Summary Figure A: Global Market for Media, Sera and Reagents in Biotechnology, by Region, 2019-2026

Summary Figure B: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Region, 2020

Figure 1: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Product Type, 2020

Figure 2: Global Market for Media, Sera and Reagents in Biotechnology, by Product Type, 2019-2026

Figure 3: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Reagents Type, 2020

Figure 4: Global Market for Biological Response Modifiers (BRMs), 2019-2026

Figure 5: Global Market for Cell Dissociation Reagents, 2019-2026

Figure 6: Global Market for Other Types of Reagents, 2019-2026

Figure 7: Global Market for Cell Culture Reagents, 2019-2026

Figure 8: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Serum, 2020

Figure 9: Global Market for Serum-Requiring Media, 2019-2026

Figure 10: Global Market for Serum-Free Media, 2019-2026

Figure 11: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Formulation, 2020

Figure 12: Global Market for Powdered Media, 2019-2026

Figure 13: Global Market for Liquid Media, 2019-2026

Figure 14: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Composition, 2020

Figure 15: Global Market for Classical Media, 2019-2026

Figure 16: Global Market for Specialty Media, 2019-2026

Figure 17: Global Market for Cell Culture Media, 2019-2026

Figure 18: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Serum Type, 2020

Figure 19: Global Market for Bovine Sera/Fetal Bovine Sera, 2019-2026

Figure 20: Global Market for Other Types of Sera, 2019-2026

Figure 21: Global Market for Other Types of Sera, 2019-2026

Figure 22: Global Market Shares of Media, Sera and Reagents in Biotechnology, by End Use, 2020

Figure 23: Global Market for Media, Sera and Reagents in Production End Uses,

2019-2026

Figure 24: Global Market for Media, Sera and Reagents in Production End Uses, by Region, 2019-2026

Figure 25: Global Market for Media, Sera and Reagents in Research End Uses, 2019-2026

Figure 26: Global Market for Media, Sera and Reagents in Research End Uses, by Region, 2019-2026

Figure 27: Global Market for Media, Sera and Reagents in Contract End Uses, 2019-2026

Figure 28: Global Market for Media, Sera and Reagents in Contract End Uses, by Region, 2019-2026

Figure 29: Global Market for Media, Sera and Reagents in Other End Uses, 2019-2026

Figure 30: Global Market for Media, Sera and Reagents in Other End Uses, by Region, 2019-2026

Figure 31: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Region, 2020

Figure 32: North American Market Shares of Media, Sera and Reagents in Biotechnology, by Product Type, 2020

Figure 33: North American Market Shares of Media, Sera and Reagents in Biotechnology, by End Use, 2020

Figure 34: North American Market Shares of Media, Sera and Reagents in Biotechnology, by Country, 2020

Figure 35: U.S. Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 36: Canadian Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 37: Mexican Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 38: European Market Shares of Media, Sera and Reagents in Biotechnology, by Product Type, 2020

Figure 39: European Market Shares of Media, Sera and Reagents in Biotechnology, by End Use, 2020

Figure 40: European Market Shares of Media, Sera and Reagents in Biotechnology, by Country, 2020

Figure 41: German Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 42: U.K. Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 43: French Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 44: Italian Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 45: Share of New Cancer Cases in Spain, by Cancer Type, 2020

Figure 46: Spanish Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 47: Rest of European Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 48: Asia-Pacific Market Shares of Media, Sera and Reagents in Biotechnology, by Product Type, 2020

Figure 49: Asia-Pacific Market Shares of Media, Sera and Reagents in Biotechnology, by End Use, 2020

Figure 50: Asia-Pacific Market Shares of Media, Sera and Reagents in Biotechnology, by Country, 2020

Figure 51: Japanese Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 52: Chinese Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 53: Indian Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 54: Australia and New Zealand Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 55: Rest of Asia-Pacific Market for Media, Sera and Reagents in Biotechnology, 2019-2026

Figure 56: South American Market Shares of Media, Sera and Reagents in Biotechnology, by Product Type, 2020

Figure 57: South American Market Shares of Media, Sera and Reagents in Biotechnology, by End Use, 2020

Figure 58: Middle East and African Market Shares of Media, Sera and Reagents in Biotechnology, by Product Type, 2020

Figure 59: Middle East and African Market Shares of Media, Sera and Reagents in Biotechnology, by End Use, 2020

Figure 60: Global Market Shares of Media, Sera and Reagents in Biotechnology, by Manufacturer/Supplier, 2020

Figure 61: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, 2014-2016

Figure 62: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Product Type, 2014-Nov. 2016

Figure 63: Number of Patents Granted on Media, Sera and Reagents in Biotechnology, by Assignee Type, 2014–Nov. 2016

Figure 64: Bio-Techne: Company Revenues, 2018-2020

Figure 65: BD: Annual Revenue, 2018-2020

Figure 66: BD: Revenue Share, by Geography, 2020

Figure 67: BD: Revenue Share, by Business Segment, 2020

Figure 68: Corning Inc.: Annual Revenue, 2018-2020

Figure 69: Corning Inc.: Revenue Share, by Geography, 2020

Figure 70: Corning Inc.: Revenue Share, by Business Segment, 2020

Figure 71: Fujifilm Holdings Corp.: Revenue Share, by Segment, 2019

Figure 72: Fujifilm Holdings Corp.: Revenue Share, by Region, 2019

Figure 73: General Electric Co.: Annual Revenue, 2018-2020

Figure 74: General Electric Co.: Revenue Share, by Region, 2020

Figure 75: General Electric Co.: Revenue Share, by Business Segment, 2020

Figure 76: Lonza: Annual Revenue, 2018-2020

Figure 77: Merck KGaA: Annual Revenue, 2019-2020

Figure 78: Merck KGaA: Revenue Share, by Region, 2020

Figure 79: Merck KGaA: Revenue Share, by Business Segment, 2020

Figure 80: Thermo Fisher Scientific Inc.: Annual Revenue, 2019-2020

Figure 81: Thermo Fisher Scientific Inc.: Revenue Share, by Region, 2020

Figure 82: Thermo Fisher Scientific Inc.: Revenue Share, by Segment, 2020

## I would like to order

Product name: Global Markets for Media, Sera and Reagents in Biotechnology

Product link: <https://marketpublishers.com/r/GC23758C4F2EN.html>

Price: US\$ 2,750.00 (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/GC23758C4F2EN.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