

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Outlook 2025-2034: Market Share, and Growth Analysis By Product Type (Gene Therapy, Gene-Modified Cell Therapy, Cell Therapy), By Phase (Phase 1, Phase 2, Phase 3, Phase 4), By Indication

<https://marketpublishers.com/r/C07F02E2AE15EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: C07F02E2AE15EN

Abstracts

The Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market is valued at USD 8 billion in 2025 and is projected to grow at a CAGR of 24.4% to reach USD 57 billion by 2034. The cell and gene therapy CDMO market is a specialized and rapidly growing sector within the biopharmaceutical industry. CDMOs provide critical end-to-end services that support the development and manufacturing of cell and gene therapies, which are among the most advanced and promising treatments for complex diseases. These organizations offer expertise in process development, analytical testing, regulatory compliance, and large-scale production, helping biotechs and pharmaceutical companies bring innovative therapies to market more efficiently and cost-effectively. The unique requirements of cell and gene therapies, including their highly personalized nature, complex manufacturing processes, and stringent quality standards, drive the demand for specialized CDMO services. As the number of clinical trials and commercial approvals in the cell and gene therapy space continues to grow, CDMOs are playing a pivotal role in overcoming production challenges, ensuring regulatory compliance, and accelerating time-to-market. Geographically, North America and Europe dominate the cell and gene therapy CDMO market due to well-established biopharma industries, significant R&D investment, and supportive regulatory environments. Meanwhile, the Asia-Pacific region is emerging as a key growth area, driven by increasing healthcare investment, a growing talent pool, and efforts to establish local manufacturing capabilities. This global expansion reflects the rising

demand for contract development and manufacturing services as the cell and gene therapy pipeline matures.

Key Insights Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market

Increased adoption of advanced bioprocessing technologies, including single-use systems and closed production platforms, to streamline manufacturing.

Growing demand for flexible and modular facilities that can adapt to various production scales and therapy types.

Rising integration of digital tools and automation, enabling real-time monitoring, predictive maintenance, and enhanced product consistency.

Expanding partnerships between CDMOs and biopharma companies to accelerate clinical development and commercialization.

Focus on sustainability and eco-friendly manufacturing practices, including reducing waste and improving energy efficiency.

Rapid growth in the number of cell and gene therapy candidates entering clinical trials, creating a pressing need for scalable manufacturing solutions.

Increasing regulatory approvals for cell and gene therapies, boosting demand for CDMO services to meet commercial production requirements.

Advancements in gene editing and cell engineering technologies, driving more complex manufacturing needs that CDMOs are equipped to handle.

Cost advantages and risk reduction for biotechs and smaller pharmaceutical companies by outsourcing to experienced CDMOs.

High capital investment requirements for building and maintaining state-of-the-art manufacturing facilities.

Limited availability of skilled workforce trained in cell and gene therapy manufacturing and quality control.

Navigating stringent and evolving regulatory requirements across multiple regions.

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Segmentation

By Product Type

Gene Therapy

Gene-Modified Cell Therapy

Cell Therapy

By Phase

Phase 1

Phase 2

Phase 3

Phase 4

By Indication

Oncology

Infectious Diseases

Neurological Disorders

Rare Diseases

Other Indications

Key Companies Analysed

Pfizer Inc

Merck & Co. Inc.

Thermo Fisher Scientific Inc

Novartis AG

FUJIFILM Diosynth Biotechnologies

AGC Biologics

Ajinomoto Co Inc

Lonza Group

Catalent Inc

Charles River Laboratories International Inc

Sartorius Stedim Biotech

Samsung Biologics Co Ltd

WuXi Biologics

Recipharm AB

Almac Group Ltd

KBI Biopharma

Rentschler Biopharma

Bio Elpida

Oxford BioMedica Plc

Avid Bioservices Inc

Cell and Gene Therapy Catapult

VGXI Inc

Genezen Laboratories Inc.

Pluri Inc.

OmniaBio Inc.

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory

landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market data and outlook to 2034

United States

Canada

Mexico

Europe — Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Report

Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) trade, costs, and supply chains

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) supply chain analysis

Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) trade analysis, Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market price analysis, and Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market

tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET SUMMARY, 2025

- 2.1 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Industry Overview
 - 2.1.1 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Revenues (In US\$ billion)
- 2.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Scope
- 2.3 Research Methodology

3. CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET INSIGHTS, 2024-2034

- 3.1 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Drivers
- 3.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Restraints
- 3.3 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Opportunities
- 3.4 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Challenges
- 3.5 Tariff Impact on Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Supply Chain Patterns

4. CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET ANALYTICS

- 4.1 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Share, Dominant Applications, 2025 Vs 2034

4.3 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Share, Leading End Uses, 2025 Vs 2034

4.4 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Share, High Growth Countries, 2025 Vs 2034

4.5 Five Forces Analysis for Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market

4.5.1 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Industry Attractiveness Index, 2025

4.5.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Supplier Intelligence

4.5.3 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Buyer Intelligence

4.5.4 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Competition Intelligence

4.5.5 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Product Alternatives and Substitutes Intelligence

4.5.6 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Entry Intelligence

5. GLOBAL CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)

5.1 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Sales Outlook and CAGR Growth By Product Type, 2024- 2034 (\$ billion)

5.2 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Sales Outlook and CAGR Growth By Phase, 2024- 2034 (\$ billion)

5.3 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Sales Outlook and CAGR Growth By Indication, 2024- 2034 (\$ billion)

5.4 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND

MANUFACTURING ORGANIZATION (CDMO) INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Insights, 2025

6.2 Asia Pacific Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Revenue Forecast By Product Type, 2024- 2034 (USD billion)

6.3 Asia Pacific Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Revenue Forecast By Phase, 2024- 2034 (USD billion)

6.4 Asia Pacific Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Revenue Forecast By Indication, 2024- 2034 (USD billion)

6.5 Asia Pacific Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Revenue Forecast by Country, 2024- 2034 (USD billion)

6.5.1 China Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Opportunities, Growth 2024- 2034

6.5.2 India Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Opportunities, Growth 2024- 2034

6.5.3 Japan Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Opportunities, Growth 2024- 2034

6.5.4 Australia Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Opportunities, Growth 2024- 2034

7. EUROPE CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

7.1 Europe Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Key Findings, 2025

7.2 Europe Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Percentage Breakdown By Product Type, 2024- 2034 (USD billion)

7.3 Europe Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Percentage Breakdown By Phase, 2024- 2034 (USD billion)

7.4 Europe Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size and Percentage Breakdown By Indication, 2024- 2034 (USD billion)

7.5 Europe Cell And Gene Therapy Contract Development And Manufacturing

Organization (Cdma) Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)

7.5.1 Germany Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Trends, Growth Outlook to 2034

7.5.2 United Kingdom Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Trends, Growth Outlook to 2034

7.5.2 France Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Trends, Growth Outlook to 2034

7.5.2 Italy Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Trends, Growth Outlook to 2034

7.5.2 Spain Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Analysis and Outlook By Product Type, 2024- 2034 (\$ billion)

8.3 North America Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Analysis and Outlook By Phase, 2024- 2034 (\$ billion)

8.4 North America Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Analysis and Outlook By Indication, 2024- 2034 (\$ billion)

8.5 North America Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Cell And Gene Therapy Contract Development And Manufacturing Organization (Cdma) Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Cell And Gene Therapy Contract Development And Manufacturing

Organization (CdmO) Market Data, 2025

9.2 Latin America Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Future By Product Type, 2024- 2034 (\$ billion)

9.3 Latin America Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Future By Phase, 2024- 2034 (\$ billion)

9.4 Latin America Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Future By Indication, 2024- 2034 (\$ billion)

9.5 Latin America Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Share and Opportunities to 2034

9.5.2 Argentina Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Statistics By Product Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Statistics By Phase, 2024- 2034 (USD billion)

10.4 Middle East Africa Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Statistics By Indication, 2024- 2034 (USD billion)

10.5 Middle East Africa Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Value, Trends, Growth Forecasts to 2034

11. CELL AND GENE THERAPY CONTRACT DEVELOPMENT AND MANUFACTURING ORGANIZATION (CDMO) MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

- 11.1 Key Companies in Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Industry
- 11.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Business Overview
- 11.3 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Product Portfolio Analysis
- 11.4 Financial Analysis
- 11.5 SWOT Analysis

12 APPENDIX

- 12.1 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Volume (Tons)
- 12.1 Global Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Trade and Price Analysis
- 12.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Parent Market and Other Relevant Analysis
- 12.3 Publisher Expertise
- 12.2 Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Industry Report Sources and Methodology

I would like to order

Product name: Cell And Gene Therapy Contract Development And Manufacturing Organization (CdmO) Market Outlook 2025-2034: Market Share, and Growth Analysis By Product Type (Gene Therapy, Gene-Modified Cell Therapy, Cell Therapy), By Phase (Phase 1, Phase 2, Phase 3, Phase 4), By Indication

Product link: <https://marketpublishers.com/r/C07F02E2AE15EN.html>

Price: US\$ 3,950.00 (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/C07F02E2AE15EN.html>