

# **Global AAV Contract Development and Manufacturing Organizations Market Size Study, by Workflow (Upstream Processing, Downstream Processing), by Culture Type, by Application (Cell & Gene Therapy Development, Vaccine Development, Biopharmaceutical & Pharmaceutical Discovery, Biomedical Research), by End-User and Regional Forecasts 2022-2032**

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## **Abstracts**

Global AAV Contract Development and Manufacturing Organizations Market is valued at approximately USD 621 million in 2023 and is anticipated to grow with a healthy growth rate of more than 4.85 % over the forecast period 2024-2032. The Global Market for AAV Contract Development and Manufacturing Organizations (CDMOs) focuses on the specialization of producing Adeno-Associated Virus (AAV) vectors and providing associated services that are essential for gene therapy and biopharmaceutical development. The growing need for effective AAV vector production is fueled by the rising popularity of gene therapies aimed at rare diseases and genetic disorders. Progress in biotechnology and gene editing methods has broadened the range of gene therapy, increasing the need for specialized CDMOs with AAV knowledge. Partnerships between pharmaceutical companies and CDMOs are influencing market dynamics by improving production processes and ensuring adherence to regulations. The Global AAV Contract Development and Manufacturing Market is set to experience significant growth as the healthcare sector adopts gene therapies promoting creativity and strategic collaborations in this specialized area.

The Global AAV Contract Development and Manufacturing Organizations Market is

primarily driven by the increasing demand for personalized gene therapies which are tailored to individual patient's genetic profiles and medical needs. This reflects a shift towards precision medicine and targeted treatments, driving the need for specialized AAV vectors and services provided by AAV CDMOs. However, the market faces restraints related to regulatory challenges particularly concerning safety and efficacy standards for gene therapy products. These regulations require extensive testing and compliance measures contributing to the complexity and time required for the development and manufacturing processes. Despite these challenges, ongoing advancements in gene editing technologies and biopharmaceutical research continue to propel growth and innovation within the Global AAV Contract Development and Manufacturing Organizations Market.

The key regions considered for the Global AAV Contract Development And Manufacturing Organizations Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is one of the dominant regions in the Global AAV Contract Development and Manufacturing Organizations Market. North America has a significant number of top pharmaceutical and biotechnology companies that are actively engaged in gene therapy research and development. Many businesses frequently partner with AAV CDMOs to tap into their specialized knowledge and production capabilities. The region has a conducive regulatory landscape that fosters advancements in gene therapy and expedites market approvals. The rapid expansion of AAV CDMOs in North America is fueled by the region's sophisticated healthcare system and substantial investments in biopharmaceuticals. The region holds a strong influence over the Global AAV Contract Development and Manufacturing Organizations Market, leading to progress and market growth. The market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period.

Major market player included in this report are:

Thermo Fischer Scientific, Inc.

Creative Biogene

Catalent Inc.

Charles River Laboratories International, Inc.

Danaher Corporation

Forge Biologics

Genezen

ViroCell Biologics, Ltd.

Merck KGaA

Viralgen Vector Core S.L.

The detailed segments and sub-segment of the market are explained below:

By Workflow

Upstream Processing

Downstream Processing

By Culture Type

Adherent Culture

Suspension Culture

By Application

Cell & Gene Therapy Development

Vaccine Development

Biopharmaceutical & Pharmaceutical Discovery

Biomedical Research

By End-User

Pharmaceutical & Biopharmaceutical Companies

Academic & Research Institutes

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Middle East & Africa  
Saudi Arabia  
South Africa  
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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