

## **Gene Delivery Technologies Market: Global Industry Analysis, Trends, Market Size, and Forecasts up to 2030**

Market Report | 2023-07-28 | 300 pages | Infinium Global Research and Consulting Solutions

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### **Report description:**

The report on the global brewing ingredients market provides qualitative and quantitative analysis for the period from 2021-2030. The revenue generated by the market was USD 3475.26 Million in 2022 and is expected to reach USD 10812.92 Million in 2030, with a CAGR of 15.75% till 2030 during the projected period. The study on brewing ingredients market covers the analysis of the leading geographies such as North America, Europe, Asia Pacific, and RoW for the period of 2021-2030.

Gene delivery technologies are essential for various applications in research, medicine, and biotechnology, such as gene therapy, genetic engineering, and studying gene function. Gene delivery technology can further be classified into viral-based, non-viral-based, and combined hybrid systems. Viral-mediated gene delivery systems utilize modified viruses that are rendered replication-deficient but still capable of delivering DNA for gene expression. Commonly used viral vectors include retroviruses, lentiviruses, adenoviruses, and Adeno-associated Viruses (AAV). Non-viral gene delivery systems were created as a substitute for viral-based systems, offering an alternative approach to delivering genes into target cells. Furthermore, rising genetic and inherited diseases among the population across the globe are supporting the growth of the market during the forecasted period. Viral gene delivery systems are anticipated to maintain their dominant position in the delivery systems segment of the gene delivery technologies market. These systems have undergone extensive research and development for gene therapy applications, establishing themselves as the preferred choice for delivering genes into target cells. By utilizing viral vectors like adenoviruses, lentiviruses, and Adeno-associated Viruses (AAVs), viral gene delivery systems efficiently transport therapeutic genes into cells. These vectors are carefully modified to ensure the safe and effective delivery of the desired genetic material. The viral-based approach offers several advantages, including high transduction efficiency, the ability to target specific cell types, and the potential for long-term gene expression. These qualities have contributed to successful clinical applications of viral gene delivery in various diseases.

North America has been a significant presence of the key players in the gene delivery technologies market, particularly due to the extensive number of clinical trials conducted in the region. The United States, in particular, has been at the forefront of gene therapy research and development. Gene therapies hold great promise for offering potential treatments for various diseases caused by genetic mutations or degeneration, including cancer, HIV/AIDS, and genetic disorders. The United States has seen a significant number of clinical trials focused on evaluating the safety and efficacy of gene therapies for these conditions.

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Furthermore, many companies in the field of gene therapy have prioritized the supply and commercialization of gene therapies and technologies, with a particular emphasis on the major organizations and headquarters located in the United States. This has contributed to North America's leadership in the Gene Delivery Technologies market.

#### Report Findings

##### 1) Drivers

- Increasing genetic and inherited diseases among the population drive the growth of the market.
- The growing demand for targeted therapeutics propels the growth of the market.

##### 2) Restraints

- The adverse effect related to gene therapy hampers the growth of the market.

##### 3) Opportunities

- The rising investment in Research and Development (R&D) is a crucial factor that presents a significant opportunity for the market.

#### Research Methodology

##### A) Primary Research

Our primary research involves extensive interviews and analysis of the opinions provided by the primary respondents. The primary research starts with identifying and approaching the primary respondents, the primary respondents are approached include

1. Key Opinion Leaders associated with Infinium Global Research
2. Internal and External subject matter experts
3. Professionals and participants from the industry

Our primary research respondents typically include

1. Executives working with leading companies in the market under review
2. Product/brand/marketing managers
3. CXO level executives
4. Regional/zonal/ country managers
5. Vice President level executives.

##### B) Secondary Research

Secondary research involves extensive exploring through the secondary sources of information available in both the public domain and paid sources. At Infinium Global Research, each research study is based on over 500 hours of secondary research accompanied by primary research. The information obtained through the secondary sources is validated through the crosscheck on various data sources.

The secondary sources of the data typically include

1. Company reports and publications
2. Government/institutional publications
3. Trade and associations journals
4. Databases such as WTO, OECD, World Bank, and among others.
5. Websites and publications by research agencies

#### Segment Covered

The global gene delivery technologies market is segmented on the basis of delivery system, mode, application, and method.

#### The Global Gene Delivery Technologies Market by Delivery System

- Viral Gene Delivery Systems
- Non-viral Gene Delivery System
- Combined Hybrid Delivery Systems

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#### The Global Gene Delivery Technologies Market by Mode

- AAV
- Lentivirus
- Retrovirus

#### The Global Gene Delivery Technologies Market by Application

- Gene Therapy
- Cell Therapy
- Vaccines
- Research

#### The Global Gene Delivery Technologies Market by Method

- Ex Vivo
- In Vivo
- Others

#### Company Profiles

The companies covered in the report include

- Thermo Fisher Scientific Inc.
- Oxford Biomedica
- SignaGen Laboratories
- Synbio Technologies
- SIRION Biotech
- Novartis AG
- Bio-Rad Laboratories, Inc
- OriGene Technologies, Inc.
- Promega Corporation
- Others

#### What does this Report Deliver?

1. Comprehensive analysis of the global as well as regional markets of the gene delivery technologies market.
2. Complete coverage of all the segments in the gene delivery technologies market to analyze the trends, developments in the global market and forecast of market size up to 2030.
3. Comprehensive analysis of the companies operating in the global gene delivery technologies market. The company profile includes analysis of product portfolio, revenue, SWOT analysis and latest developments of the company.
4. IGR- Growth Matrix presents an analysis of the product segments and geographies that market players should focus to invest, consolidate, expand and/or diversify.

#### **Table of Contents:**

Table of Content

#### Chapter 1. Preface

- 1.1. Report Description
- 1.2. Research Methods
- 1.3. Research Approaches

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- Chapter 2. Executive Summary
  - 2.1. Gene Delivery Technologies Market Highlights
  - 2.2. Gene Delivery Technologies Market Projection
  - 2.3. Gene Delivery Technologies Market Regional Highlights
- Chapter 3. Global Gene Delivery Technologies Market Overview
  - 3.1. Introduction
  - 3.2. Market Dynamics
    - 3.2.1. Drivers
    - 3.2.2. Restraints
    - 3.2.3. Opportunities
  - 3.3. Porter's Five Forces Analysis
  - 3.4. IGR-Growth Matrix Analysis
    - 3.4.1. IGR-Growth Matrix Analysis by Delivery System
    - 3.4.2. IGR-Growth Matrix Analysis by Mode
    - 3.4.3. IGR-Growth Matrix Analysis by Application
    - 3.4.4. IGR-Growth Matrix Analysis by Method
    - 3.4.5. IGR-Growth Matrix Analysis by Region
  - 3.5. Value Chain Analysis of Gene Delivery Technologies Market
- Chapter 4. Gene Delivery Technologies Market Macro Indicator Analysis
- Chapter 5. Global Gene Delivery Technologies Market by Delivery System
  - 5.1. Viral Gene Delivery Systems
  - 5.2. Non-viral Gene Delivery System
  - 5.3. Combined Hybrid Delivery Systems
- Chapter 6. Global Gene Delivery Technologies Market by Mode
  - 6.1. AAV
  - 6.2. Lentivirus
  - 6.3. Retrovirus
- Chapter 7. Global Gene Delivery Technologies Market by Application
  - 7.1. Gene Therapy
  - 7.2. Cell Therapy
  - 7.3. Vaccines
  - 7.4. Research
- Chapter 8. Global Gene Delivery Technologies Market by Method
  - 8.1. Ex Vivo
  - 8.2. In Vivo
  - 8.3. Others
- Chapter 9. Global Gene Delivery Technologies Market by Region 2023-2030
  - 9.1. North America
    - 9.1.1. North America Gene Delivery Technologies Market by Delivery System
    - 9.1.2. North America Gene Delivery Technologies Market by Mode
    - 9.1.3. North America Gene Delivery Technologies Market by Application
    - 9.1.4. North America Gene Delivery Technologies Market by Method
    - 9.1.5. North America Gene Delivery Technologies Market by Country
      - 9.1.5.1. The U.S. Gene Delivery Technologies Market
        - 9.1.5.1.1. The U.S. Gene Delivery Technologies Market by Delivery System
        - 9.1.5.1.2. The U.S. Gene Delivery Technologies Market by Mode
        - 9.1.5.1.3. The U.S. Gene Delivery Technologies Market by Application

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- 9.1.5.1.4. The U.S. Gene Delivery Technologies Market by Method
- 9.1.5.2. Canada Gene Delivery Technologies Market
  - 9.1.5.2.1. Canada Gene Delivery Technologies Market by Delivery System
  - 9.1.5.2.2. Canada Gene Delivery Technologies Market by Mode
  - 9.1.5.2.3. Canada Gene Delivery Technologies Market by Application
  - 9.1.5.2.4. Canada Gene Delivery Technologies Market by Method
- 9.1.5.3. Mexico Gene Delivery Technologies Market
  - 9.1.5.3.1. Mexico Gene Delivery Technologies Market by Delivery System
  - 9.1.5.3.2. Mexico Gene Delivery Technologies Market by Mode
  - 9.1.5.3.3. Mexico Gene Delivery Technologies Market by Application
  - 9.1.5.3.4. Mexico Gene Delivery Technologies Market by Method
- 9.2. Europe
  - 9.2.1. Europe Gene Delivery Technologies Market by Delivery System
  - 9.2.2. Europe Gene Delivery Technologies Market by Mode
  - 9.2.3. Europe Gene Delivery Technologies Market by Application
  - 9.2.4. Europe Gene Delivery Technologies Market by Method
  - 9.2.5. Europe Gene Delivery Technologies Market by Country
    - 9.2.5.1. Germany Gene Delivery Technologies Market
      - 9.2.5.1.1. Germany Gene Delivery Technologies Market by Delivery System
      - 9.2.5.1.2. Germany Gene Delivery Technologies Market by Mode
      - 9.2.5.1.3. Germany Gene Delivery Technologies Market by Application
      - 9.2.5.1.4. Germany Gene Delivery Technologies Market by Method
    - 9.2.5.2. United Kingdom Gene Delivery Technologies Market
      - 9.2.5.2.1. United Kingdom Gene Delivery Technologies Market by Delivery System
      - 9.2.5.2.2. United Kingdom Gene Delivery Technologies Market by Mode
      - 9.2.5.2.3. United Kingdom Gene Delivery Technologies Market by Application
      - 9.2.5.2.4. United Kingdom Gene Delivery Technologies Market by Method
    - 9.2.5.3. France Gene Delivery Technologies Market
      - 9.2.5.3.1. France Gene Delivery Technologies Market by Delivery System
      - 9.2.5.3.2. France Gene Delivery Technologies Market by Mode
      - 9.2.5.3.3. France Gene Delivery Technologies Market by Application
      - 9.2.5.3.4. France Gene Delivery Technologies Market by Method
    - 9.2.5.4. Italy Gene Delivery Technologies Market
      - 9.2.5.4.1. Italy Gene Delivery Technologies Market by Delivery System
      - 9.2.5.4.2. Italy Gene Delivery Technologies Market by Mode
      - 9.2.5.4.3. Italy Gene Delivery Technologies Market by Application
      - 9.2.5.4.4. Italy Gene Delivery Technologies Market by Method
    - 9.2.5.5. Rest of Europe Gene Delivery Technologies Market
      - 9.2.5.5.1. Rest of Europe Gene Delivery Technologies Market by Delivery System
      - 9.2.5.5.2. Rest of Europe Gene Delivery Technologies Market by Mode
      - 9.2.5.5.3. Rest of Europe Gene Delivery Technologies Market by Application
      - 9.2.5.5.4. Rest of Europe Gene Delivery Technologies Market by Method
- 9.3. Asia Pacific
  - 9.3.1. Asia Pacific Gene Delivery Technologies Market by Delivery System
  - 9.3.2. Asia Pacific Gene Delivery Technologies Market by Mode
  - 9.3.3. Asia Pacific Gene Delivery Technologies Market by Application
  - 9.3.4. Asia Pacific Gene Delivery Technologies Market by Method

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- 9.3.5.□Asia Pacific Gene Delivery Technologies Market by Country
  - 9.3.5.1.□China Gene Delivery Technologies Market
    - 9.3.5.1.1.□China Gene Delivery Technologies Market by Delivery System
    - 9.3.5.1.2.□China Gene Delivery Technologies Market by Mode
    - 9.3.5.1.3.□China Gene Delivery Technologies Market by Application
    - 9.3.5.1.4.□China Gene Delivery Technologies Market by Method
  - 9.3.5.2.□Japan Gene Delivery Technologies Market
    - 9.3.5.2.1.□Japan Gene Delivery Technologies Market by Delivery System
    - 9.3.5.2.2.□Japan Gene Delivery Technologies Market by Mode
    - 9.3.5.2.3.□Japan Gene Delivery Technologies Market by Application
    - 9.3.5.2.4.□Japan Gene Delivery Technologies Market by Method
  - 9.3.5.3.□India Gene Delivery Technologies Market
    - 9.3.5.3.1.□India Gene Delivery Technologies Market by Delivery System
    - 9.3.5.3.2.□India Gene Delivery Technologies Market by Mode
    - 9.3.5.3.3.□India Gene Delivery Technologies Market by Application
    - 9.3.5.3.4.□India Gene Delivery Technologies Market by Method
  - 9.3.5.4.□South Korea Gene Delivery Technologies Market
    - 9.3.5.4.1.□South Korea Gene Delivery Technologies Market by Delivery System
    - 9.3.5.4.2.□South Korea Gene Delivery Technologies Market by Mode
    - 9.3.5.4.3.□South Korea Gene Delivery Technologies Market by Application
    - 9.3.5.4.4.□South Korea Gene Delivery Technologies Market by Method
  - 9.3.5.5.□Australia Gene Delivery Technologies Market
    - 9.3.5.5.1.□Australia Gene Delivery Technologies Market by Delivery System
    - 9.3.5.5.2.□Australia Gene Delivery Technologies Market by Mode
    - 9.3.5.5.3.□Australia Gene Delivery Technologies Market by Application
    - 9.3.5.5.4.□Australia Gene Delivery Technologies Market by Method
  - 9.3.5.6.□Rest of Asia-Pacific Gene Delivery Technologies Market
    - 9.3.5.6.1.□Rest of Asia-Pacific Gene Delivery Technologies Market by Delivery System
    - 9.3.5.6.2.□Rest of Asia-Pacific Gene Delivery Technologies Market by Mode
    - 9.3.5.6.3.□Rest of Asia-Pacific Gene Delivery Technologies Market by Application
    - 9.3.5.6.4.□Rest of Asia-Pacific Gene Delivery Technologies Market by Method
- 9.4.□RoW
  - 9.4.1.□RoW Gene Delivery Technologies Market by Delivery System
  - 9.4.2.□RoW Gene Delivery Technologies Market by Mode
  - 9.4.3.□RoW Gene Delivery Technologies Market by Application
  - 9.4.4.□RoW Gene Delivery Technologies Market by Method
  - 9.4.5.□RoW Gene Delivery Technologies Market by Sub-region
    - 9.4.5.1.□Latin America Gene Delivery Technologies Market
      - 9.4.5.1.1.□Latin America Gene Delivery Technologies Market by Delivery System
      - 9.4.5.1.2.□Latin America Gene Delivery Technologies Market by Mode
      - 9.4.5.1.3.□Latin America Gene Delivery Technologies Market by Application
      - 9.4.5.1.4.□Latin America Gene Delivery Technologies Market by Method
    - 9.4.5.2.□Middle East Gene Delivery Technologies Market
      - 9.4.5.2.1.□Middle East Gene Delivery Technologies Market by Delivery System
      - 9.4.5.2.2.□Middle East Gene Delivery Technologies Market by Mode
      - 9.4.5.2.3.□Middle East Gene Delivery Technologies Market by Application
      - 9.4.5.2.4.□Middle East Gene Delivery Technologies Market by Method

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- 9.4.5.3. Africa Gene Delivery Technologies Market
  - 9.4.5.3.1. Africa Gene Delivery Technologies Market by Delivery System
  - 9.4.5.3.2. Africa Gene Delivery Technologies Market by Mode
  - 9.4.5.3.3. Africa Gene Delivery Technologies Market by Application
  - 9.4.5.3.4. Africa Gene Delivery Technologies Market by Method
- Chapter 10. Company Profiles and Competitive Landscape
  - 10.1. Competitive Landscape in the Global Gene Delivery Technologies Market
  - 10.2. Companies Profiles
    - 10.2.1. Thermo Fisher Scientific Inc.
    - 10.2.2. Oxford Biomedica
    - 10.2.3. SignaGen Laboratories
    - 10.2.4. Synbio Technologies
    - 10.2.5. SIRION Biotech
    - 10.2.6. Novartis AG
    - 10.2.7. Bio-Rad Laboratories, Inc
    - 10.2.8. OriGene Technologies, Inc.
    - 10.2.9. Promega Corporation
    - 10.2.10. Others

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