

Drug and Gene Delivery Devices Market Size, Trends, Analysis, and Outlook By Route of Administration (Oral, Inhalation, Transdermal, Injectable, Ocular, Nasal, Topical), By Gene Delivery Vector (Viral, Non-viral), By Method (In situ, Ex vivo), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Drug and Gene Delivery Devices market size is poised to register 7.51% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Drug and Gene Delivery Devices market across By Route of Administration (Oral, Inhalation, Transdermal, Injectable, Ocular, Nasal, Topical), By Gene Delivery Vector (Viral, Non-viral), By Method (In situ, Ex vivo).

The drug and gene delivery devices market is projected to see notable growth, driven by increasing demand for targeted drug delivery systems, nucleic acid delivery platforms, and gene editing technologies in pharmaceutical research, biotechnology innovation, and gene therapy applications, along with advancements in drug delivery formulations, biomaterials, and nanotechnology. With a focus on enhancing therapeutic efficacy, minimizing off-target effects, and overcoming biological barriers, researchers and drug developers are utilizing drug and gene delivery devices such as liposomes, nanoparticles, viral vectors, and gene editing tools for delivering small molecule drugs, biologics, and nucleic acids to specific tissues and cells. Additionally, expanding applications in regenerative medicine, immuno-oncology, and genetic diseases, along with growing investment in drug delivery technology startups and academic research collaborations, are driving market expansion as stakeholders seek to unlock the potential of precision medicine, gene therapy, and personalized healthcare solutions for

improving patient outcomes and addressing unmet medical needs.

Drug and Gene Delivery Devices Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Drug and Gene Delivery Devices market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Drug and Gene Delivery Devices survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Drug and Gene Delivery Devices industry.

Key market trends defining the global Drug and Gene Delivery Devices demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Drug and Gene Delivery Devices Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Drug and Gene Delivery Devices industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Drug and Gene Delivery Devices companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Drug and Gene Delivery Devices industry

Leading Drug and Gene Delivery Devices companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging

advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Drug and Gene Delivery Devices companies.

Drug and Gene Delivery Devices Market Study- Strategic Analysis Review

The Drug and Gene Delivery Devices market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Drug and Gene Delivery Devices Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Drug and Gene Delivery Devices industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Drug and Gene Delivery Devices Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Drug and Gene Delivery Devices Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Drug and Gene Delivery Devices market segments. Similarly, Strong end-user demand is encouraging Canadian Drug and Gene Delivery Devices companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Drug and Gene Delivery Devices market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Drug and Gene Delivery Devices Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Drug and Gene Delivery Devices industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Drug and Gene Delivery Devices market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Drug and Gene Delivery Devices Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Drug and Gene Delivery Devices in Asia Pacific. In particular, China, India, and South East Asian Drug and Gene Delivery Devices markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their

competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Drug and Gene Delivery Devices Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Drug and Gene Delivery Devices Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Drug and Gene Delivery Devices market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Drug and Gene Delivery Devices.

Drug and Gene Delivery Devices Market Company Profiles

The global Drug and Gene Delivery Devices market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Amgen Inc, Bausch & Lomb Inc, Becton Dickinson and Company, Bluebird bio Inc, Castle Creek Biosciences Inc, Dendreon Pharmaceuticals, Helixmith Co. Ltd, Human Stem Cell Institute, Kite Pharma Inc, Kolon Tissue Gene Inc, Novartis AG, Orchard Therapeutics plc, Pfizer Inc, Renova Therapeutics, Spark Therapeutics Inc, uniQure N.V., Vericel Corp, ViroMed Co. Ltd

Recent Drug and Gene Delivery Devices Market Developments

The global Drug and Gene Delivery Devices market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Drug and Gene Delivery Devices Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Route of Administration

Oral

Inhalation

Transdermal

Injectable

Ocular

Nasal

Topical

By Gene Delivery Vector

Viral

Non-viral

By Method

In situ

Ex vivo

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Amgen Inc

Bausch & Lomb Inc

Becton Dickinson and Company

Bluebird bio Inc

Castle Creek Biosciences Inc

Dendreon Pharmaceuticals

Helixmith Co. Ltd

Human Stem Cell Institute

Kite Pharma Inc

Kolon Tissue Gene Inc

Novartis AG

Orchard Therapeutics plc

Pfizer Inc

Renova Therapeutics

Spark Therapeutics Inc

uniQure N.V.

Vericel Corp

ViroMed Co. Ltd

Formats Available: Excel, PDF, and PPT

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Inhalation

Transdermal

Injectable

Ocular

Nasal

Topical

By Gene Delivery Vector

Viral

Non-viral

By Method

In situ

Ex vivo

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Dendreon Pharmaceuticals

Helixmith Co. Ltd

Human Stem Cell Institute

Kite Pharma Inc

Kolon Tissue Gene Inc

Novartis AG

Orchard Therapeutics plc
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Renova Therapeutics
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uniQure N.V.
Vericel Corp
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