

Nucleic Acid-Based Therapeutics Market Size, Trends, Analysis, and Outlook By Technology (RNA targeted therapeutics, Gene therapies, Epigenetic and microRNA modulating therapies, Genome editing therapies, Others), By Application (Autoimmune Disorders, Infectious Diseases, Genetic Disorders , Cancer, Others), By End-user (Hospitals & Clinics, Academic & Research Institutes, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Nucleic Acid-Based Therapeutics market size is poised to register 17.3% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Nucleic Acid-Based Therapeutics market across By Technology (RNA targeted therapeutics, Gene therapies, Epigenetic and microRNA modulating therapies, Genome editing therapies, Others), By Application (Autoimmune Disorders, Infectious Diseases, Genetic Disorders , Cancer, Others), By End-user (Hospitals & Clinics, Academic & Research Institutes, Others).

The Nucleic Acid-Based Therapeutics Market is experiencing growth driven by the increasing understanding of RNA and DNA biology, and the advancements in nucleic acid synthesis, delivery, and genome editing technologies for targeted gene modulation and disease treatment. Nucleic acid-based therapeutics encompass a variety of RNA and DNA molecules such as antisense oligonucleotides, small interfering RNAs (siRNAs), messenger RNAs (mRNAs), and CRISPR/Cas9 gene editing tools, which offer opportunities for precision medicine and therapeutic intervention in genetic

disorders, cancer, and infectious diseases. Key trends shaping its future include the development of RNA-based vaccines and gene therapies for infectious disease prevention and treatment, the optimization of nucleic acid delivery vectors and formulations for enhanced stability and intracellular uptake, and the customization of nucleic acid therapeutics with chemical modifications and targeting ligands for improved efficacy and safety profiles. Additionally, factors such as the regulatory approvals of nucleic acid-based drugs and gene editing therapies, the investments in RNA and DNA sequencing technologies and biomanufacturing infrastructure, and the collaborations between academia, biopharmaceutical companies, and government agencies to advance nucleic acid therapeutics are expected to drive market growth in 2024 and beyond.

Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics industry.

Key market trends defining the global Nucleic Acid-Based Therapeutics 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.

Nucleic Acid-Based Therapeutics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Nucleic Acid-Based Therapeutics industry

Leading Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics companies.

Nucleic Acid-Based Therapeutics Market Study- Strategic Analysis Review

The Nucleic Acid-Based Therapeutics 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.

Nucleic Acid-Based Therapeutics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Nucleic Acid-Based Therapeutics 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.

Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics market segments. Similarly, Strong end-user demand is encouraging Canadian Nucleic Acid-Based Therapeutics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Nucleic Acid-Based Therapeutics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Nucleic Acid-Based Therapeutics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics in Asia Pacific. In particular, China, India, and South East Asian Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics 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 Nucleic Acid-Based Therapeutics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Nucleic Acid-Based Therapeutics.

Nucleic Acid-Based Therapeutics Market Company Profiles

The global Nucleic Acid-Based Therapeutics 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 Alnylam Pharmaceuticals Inc, Arrowhead Pharmaceuticals Inc, Biogen Inc, Ionis Pharmaceuticals Inc, Moderna Inc, Novartis Pharma AG, Sarepta Therapeutics Inc,

Silence Therapeutics PLC, Stoke Therapeutics Inc, Wave Life Sciences

Recent Nucleic Acid-Based Therapeutics Market Developments

The global Nucleic Acid-Based Therapeutics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Nucleic Acid-Based Therapeutics 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 Technology

RNA targeted therapeutics

Gene therapies

Epigenetic and microRNA modulating therapies

Genome editing therapies

Others

By Application

Autoimmune Disorders

Infectious Diseases

Genetic Disorders

Cancer

Others

By End-User

Hospitals & Clinics

Academic & Research Institutes

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Alnylam Pharmaceuticals Inc

Arrowhead Pharmaceuticals Inc

Biogen Inc

Ionis Pharmaceuticals Inc

Moderna Inc

Novartis Pharma AG

Sarepta Therapeutics Inc

Silence Therapeutics PLC

Stoke Therapeutics Inc

Wave Life Sciences

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Nucleic Acid-Based Therapeutics Market Overview and Key Findings, 2024
- 1.2 Nucleic Acid-Based Therapeutics Market Size and Growth Outlook, 2021- 2030
- 1.3 Nucleic Acid-Based Therapeutics Market Growth Opportunities to 2030
- 1.4 Key Nucleic Acid-Based Therapeutics Market Trends and Challenges
 - 1.4.1 Nucleic Acid-Based Therapeutics Market Drivers and Trends
 - 1.4.2 Nucleic Acid-Based Therapeutics Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Nucleic Acid-Based Therapeutics Companies

2. NUCLEIC ACID-BASED THERAPEUTICS MARKET SIZE OUTLOOK TO 2030

- 2.1 Nucleic Acid-Based Therapeutics Market Size Outlook, USD Million, 2021- 2030
- 2.2 Nucleic Acid-Based Therapeutics Incremental Market Growth Outlook, %, 2021-2030
- 2.3 Segment Snapshot, 2024

3. NUCLEIC ACID-BASED THERAPEUTICS MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. NUCLEIC ACID-BASED THERAPEUTICS MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
By Technology

RNA targeted therapeutics

Gene therapies

Epigenetic and microRNA modulating therapies

Genome editing therapies

Others

By Application

Autoimmune Disorders

Infectious Diseases

Genetic Disorders

Cancer

Others

By End-User

Hospitals & Clinics

Academic & Research Institutes

Others

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Nucleic Acid-Based Therapeutics Market, 2025

5.2 Asia Pacific Nucleic Acid-Based Therapeutics Market Size Outlook by Type, 2021-2030

5.3 Asia Pacific Nucleic Acid-Based Therapeutics Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Nucleic Acid-Based Therapeutics Market, 2025

5.5 Europe Nucleic Acid-Based Therapeutics Market Size Outlook by Type, 2021- 2030

5.6 Europe Nucleic Acid-Based Therapeutics Market Size Outlook by Application, 2021-2030

5.7 Key Findings for North America Nucleic Acid-Based Therapeutics Market, 2025

5.8 North America Nucleic Acid-Based Therapeutics Market Size Outlook by Type, 2021- 2030

5.9 North America Nucleic Acid-Based Therapeutics Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Nucleic Acid-Based Therapeutics Market, 2025

5.11 South America Pacific Nucleic Acid-Based Therapeutics Market Size Outlook by Type, 2021- 2030

5.12 South America Nucleic Acid-Based Therapeutics Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Nucleic Acid-Based Therapeutics Market, 2025

5.14 Middle East Africa Nucleic Acid-Based Therapeutics Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Nucleic Acid-Based Therapeutics Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Nucleic Acid-Based Therapeutics Market Size Outlook and Revenue Growth Forecasts

6.2 US Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.26 South Korea Market Size Outlook and Revenue Growth Forecasts

6.26 South Korea Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

6.27 Australia Market Size Outlook and Revenue Growth Forecasts

6.28 Australia Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities
- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Nucleic Acid-Based Therapeutics Industry Drivers and Opportunities

7. NUCLEIC ACID-BASED THERAPEUTICS MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. NUCLEIC ACID-BASED THERAPEUTICS COMPANY PROFILES

- 8.1 Profiles of Leading Nucleic Acid-Based Therapeutics Companies in the Market
 - 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
 - 8.3 Financial Performance and Key Metrics
- Anylam Pharmaceuticals Inc
 - Arrowhead Pharmaceuticals Inc
 - Biogen Inc
 - Ionis Pharmaceuticals Inc
 - Moderna Inc
 - Novartis Pharma AG
 - Sarepta Therapeutics Inc
 - Silence Therapeutics PLC
 - Stoke Therapeutics Inc

Wave Life Sciences

9. APPENDIX

9.1 Scope of the Report

9.2 Research Methodology and Data Sources

9.3 Glossary of Terms

9.4 Market Definitions

9.5 Contact Information

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