

Nucleic Acid Amplification Testing Market Size, Trends, Analysis, and Outlook By Type (Polymerase Chain Reaction (PCR) tests, Isothermal Nucleic Acid Amplification Technology (INAAT) tests, Ligase Chain Reaction (LCR) tests), By Application (Infectious disease testing , Oncology testing, Genetic & mitochondrial disease testing, Others), By End-user (Hospitals, Central and reference laboratories, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Nucleic Acid Amplification Testing market size is poised to register 9.98% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Nucleic Acid Amplification Testing market across By Type (Polymerase Chain Reaction (PCR) tests, Isothermal Nucleic Acid Amplification Technology (INAAT) tests, Ligase Chain Reaction (LCR) tests), By Application (Infectious disease testing , Oncology testing, Genetic & mitochondrial disease testing, Others), By End-user (Hospitals, Central and reference laboratories, Others).

The Nucleic Acid Amplification Testing Market is witnessing growth driven by the increasing demand for rapid and sensitive molecular diagnostics in infectious disease detection, genotyping, and pathogen surveillance, and the advancements in nucleic acid amplification technologies for target amplification and detection. Nucleic acid amplification testing (NAAT) encompasses a variety of polymerase chain reaction

(PCR) and isothermal amplification techniques such as loop-mediated isothermal amplification (LAMP) and nucleic acid sequence-based amplification (NASBA), which enable the amplification and detection of specific DNA or RNA sequences in biological samples. Key trends shaping its future include the development of multiplex and point-of-care NAAT platforms for simultaneous detection of multiple pathogens and strain variants, the integration of digital PCR and droplet microfluidics for absolute quantification and single-cell analysis, and the customization of NAAT assays and reagent kits for specific infectious agents, clinical specimens, and epidemiological surveillance needs. Moreover, factors such as the COVID-19 pandemic and the widespread adoption of NAAT assays for SARS-CoV-2 detection, the emergence of antimicrobial resistance and vaccine-preventable diseases, and the regulatory approvals of NAAT-based diagnostics for expanded clinical indications are expected to drive market growth in 2024 and beyond.

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

Key market trends defining the global Nucleic Acid Amplification Testing 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 Amplification Testing Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Nucleic Acid Amplification Testing 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 Amplification Testing 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 Amplification Testing industry

Leading Nucleic Acid Amplification Testing 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 Amplification Testing companies.

Nucleic Acid Amplification Testing Market Study- Strategic Analysis Review

The Nucleic Acid Amplification Testing 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 Amplification Testing Market Size Outlook- Historic and Forecast Revenue in Three Cases

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

Europe Nucleic Acid Amplification Testing 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 Amplification Testing 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 Amplification Testing 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 Amplification Testing 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 Amplification Testing in Asia Pacific. In particular, China, India, and South East Asian Nucleic Acid Amplification Testing 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 Amplification Testing 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 Amplification Testing 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 Amplification Testing market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Nucleic Acid Amplification Testing.

Nucleic Acid Amplification Testing Market Company Profiles

The global Nucleic Acid Amplification Testing 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 Abbott

Laboratories, Becton, Dickinson and Company, bioMérieux SA, Bio-Rad Laboratories Inc, Danaher Corp, F. Hoffmann-La Roche Ltd, Illumina Inc, Novartis AG, Seegene Inc, Siemens Healthineers

Recent Nucleic Acid Amplification Testing Market Developments

The global Nucleic Acid Amplification Testing 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 Amplification Testing 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 Type

Polymerase Chain Reaction (PCR) tests

Isothermal Nucleic Acid Amplification Technology (INAAT) tests

Ligase Chain Reaction (LCR) tests

By Application

Infectious disease testing

-COVID-19 testing

-Mosquito borne disease testing

-Influenza testing

-Sexually transmitted infections testing

-Hepatitis testing

-Tuberculosis testing

-Others

Oncology testing

Genetic & mitochondrial disease testing

Others

By End-user

Hospitals

Central and reference laboratories

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott Laboratories

Becton, Dickinson and Company

bioMérieux SA

Bio-Rad Laboratories Inc

Danaher Corp

F. Hoffmann-La Roche Ltd

Illumina Inc

Novartis AG

Seegene Inc

Siemens Healthineers

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

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

2. NUCLEIC ACID AMPLIFICATION TESTING MARKET SIZE OUTLOOK TO 2030

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

3. NUCLEIC ACID AMPLIFICATION TESTING 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 AMPLIFICATION TESTING MARKET SEGMENTATION ANALYSIS AND OUTLOOK

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

Polymerase Chain Reaction (PCR) tests
Isothermal Nucleic Acid Amplification Technology (INAAT) tests
Ligase Chain Reaction (LCR) tests
By Application
Infectious disease testing
-COVID-19 testing
-Mosquito borne disease testing
-Influenza testing
-Sexually transmitted infections testing
-Hepatitis testing
-Tuberculosis testing
-Others
Oncology testing
Genetic & mitochondrial disease testing
Others
By End-user
Hospitals
Central and reference laboratories
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 Amplification Testing Market, 2025
5.2 Asia Pacific Nucleic Acid Amplification Testing Market Size Outlook by Type, 2021-2030
5.3 Asia Pacific Nucleic Acid Amplification Testing Market Size Outlook by Application, 2021- 2030
5.4 Key Findings for Europe Nucleic Acid Amplification Testing Market, 2025
5.5 Europe Nucleic Acid Amplification Testing Market Size Outlook by Type, 2021- 2030
5.6 Europe Nucleic Acid Amplification Testing Market Size Outlook by Application, 2021- 2030
5.7 Key Findings for North America Nucleic Acid Amplification Testing Market, 2025
5.8 North America Nucleic Acid Amplification Testing Market Size Outlook by Type, 2021- 2030
5.9 North America Nucleic Acid Amplification Testing Market Size Outlook by Application, 2021- 2030
5.10 Key Findings for South America Nucleic Acid Amplification Testing Market, 2025

5.11 South America Pacific Nucleic Acid Amplification Testing Market Size Outlook by Type, 2021- 2030

5.12 South America Nucleic Acid Amplification Testing Market Size Outlook by Application, 2021- 2030

5.13 Key Findings for Middle East and Africa Nucleic Acid Amplification Testing Market, 2025

5.14 Middle East Africa Nucleic Acid Amplification Testing Market Size Outlook by Type, 2021- 2030

5.15 Middle East Africa Nucleic Acid Amplification Testing Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

6.1 US Nucleic Acid Amplification Testing Market Size Outlook and Revenue Growth Forecasts

6.2 US Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.3 Canada Market Size Outlook and Revenue Growth Forecasts

6.4 Canada Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.6 Mexico Market Size Outlook and Revenue Growth Forecasts

6.6 Mexico Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.7 Germany Market Size Outlook and Revenue Growth Forecasts

6.8 Germany Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.9 France Market Size Outlook and Revenue Growth Forecasts

6.10 France Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.11 UK Market Size Outlook and Revenue Growth Forecasts

6.12 UK Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.13 Spain Market Size Outlook and Revenue Growth Forecasts

6.14 Spain Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.16 Italy Market Size Outlook and Revenue Growth Forecasts

6.16 Italy Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts

6.18 Rest of Europe Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.19 China Market Size Outlook and Revenue Growth Forecasts

6.20 China Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.21 India Market Size Outlook and Revenue Growth Forecasts

6.22 India Nucleic Acid Amplification Testing Industry Drivers and Opportunities

6.23 Japan Market Size Outlook and Revenue Growth Forecasts

6.24 Japan Nucleic Acid Amplification Testing Industry Drivers and Opportunities

- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Nucleic Acid Amplification Testing Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Nucleic Acid Amplification Testing Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Nucleic Acid Amplification Testing 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 Amplification Testing Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Nucleic Acid Amplification Testing Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Nucleic Acid Amplification Testing 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 Amplification Testing Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Nucleic Acid Amplification Testing Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Nucleic Acid Amplification Testing Industry Drivers and Opportunities

7. NUCLEIC ACID AMPLIFICATION TESTING MARKET OUTLOOK ACROSS SCENARIOS

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

8. NUCLEIC ACID AMPLIFICATION TESTING COMPANY PROFILES

- 8.1 Profiles of Leading Nucleic Acid Amplification Testing Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

Abbott Laboratories

Becton, Dickinson and Company

bioMérieux SA

Bio-Rad Laboratories Inc

Danaher Corp

F. Hoffmann-La Roche Ltd
Illumina Inc
Novartis AG
Seegene Inc
Siemens Healthineers

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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