

# **Global Nucleic Acid Testing Market Size study with COVID-19 Impact, by Technology (PCR, SDA, LCR) by End-Users (Hospitals, Clinics, Research Institutes) and Regional Forecasts 2020-2026**

<https://marketpublishers.com/r/G3F9EC469DBFEN.html>

Date: May 2020

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G3F9EC469DBFEN

## **Abstracts**

Global Nucleic Acid Testing Market is valued approximately at USD XXX billion in 2019 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2019-2026. Nucleic Acid Testing is a procedure utilized to detect a particular acid sequence and thus is generally used to detect a particular species of organisms usually a virus or bacteria. These are different from other tests as these detect genetic materials rather than antigens and antibodies. Hence allow early diagnosis of a disease. The increasing demand for advanced technology-based kits in various diagnostic aspects such as forensic testing, infectious diseases, paternity testing or HLA typing and Cancer drives the market towards growth. Moreover, surge in the rate of technological development in the healthcare industry with market players developing in-house capabilities to generate high quality products with short turnaround time to meet the research requirements further drives the market growth. Also, increasing demand for technologically advanced methods in sample preparation, amplification, extraction and testing for nucleic acids such as DNA and RNA further fuel the market growth. Additionally, the spread of the COVID-19 Pandemic has brought a major boost to the nucleic acid testing market. As the Nucleic acid test kits are being used for the early detection and screening of the novel corona virus. The most important concern of governments of all COVID-19 infected nations is the excruciating need to screen for and lest large number of patients for the possible Corona Virus Infection. This has brought an upsurge in demand for the Nucleic acid testing. As in April 2020, a drive-thru testing for nucleic acid tests of the corona virus was opened in Haidan district, Beijing, China. The drive thru tests process was completed in only 2 minutes and appointments could be made online. The aim of the establishment was to widen the

testing scale in Beijing and detect more asymptomatic COVID-19 infections. Since the launch 448 samples has been collected and almost 100 people are tested each day. In the same month, the public health department of Luohu District in China collected 17,107 samples between 23 to 26th April 2020 for nucleic acid testing from students who were about to graduate this year. Also, the demand for these tests is bound to further increase as the work resumes in all the lockdown nations. As these tests detect the virus at an early stage. For Instance: in April 2020, South China's Guangdong Province demanded all school staff to undergo nucleic acid tests before they resumed work to lower the risk of infection. Hence further propelling the market growth. This has brought immense pressure on the diagnostics virology entities as the shortage in supply of the kits increases. Another factor driving that would drive the market towards its peak is the time of detection. With the advancing technology the testing timings are being decreased to increase the number of screenings per day. This has propelled market players to develop efficient and fast diagnostic kits. For Instance: as per the Chinese Academy of Sciences the Suzhou Institute of Biomedical Engineering and Technology researchers have developed a new nucleic acid test kit for COVID-19 which can confirm cases on an average in 45 minutes. In addition to the fast result time the test kit is also small in size and easy to carry, making it handy for on-site testing. While, Abbott Inc in March 2020 announced the launch of its Molecular Point of care test kit which can detect a positive case in 5 minutes and a negative case in 13 minutes. The company made available the kits in the first week of April 2002 and ramped up the manufacturing to 50,000 tests per day. Hence providing a concrete path for growth during the forecast period amidst and post COVID-19 pandemic.

The regional analysis of global Nucleic Acid Testing market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the early adoption of technology and presence of well-established healthcare market in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2026. Factors such as huge number of population and need for early detection of diseases would create lucrative growth prospects for the Nucleic Acid Testing market across Asia-Pacific region.

Major market player included in this report are:

Abbott Laboratories  
Roche Molecular Systems  
GenMark Diagnostics  
Shanghai ZJ Bio-Tech

Shanghai Geneodx Biotech  
Genomics Biotech (Wuhan)  
Zhongshan Daan Gene  
Sanaure  
Shanghai Bio-Germ  
Chengdu Baojing Bio-Tech

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Polymerase Chain Reaction (PCR)  
Strand Displacement Assay (SDA)  
Ligase Chain Reaction (LCR)

By End-Users:

Hospitals  
Clinics  
Research Institutes

By Region:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
Asia Pacific  
China  
India  
Japan  
Latin America  
Brazil  
Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017, 2018

Base year – 20198

Forecast period – 2020 to 2026

Target Audience of the Global Nucleic Acid Testing Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

## Contents

### **CHAPTER 1.EXECUTIVE SUMMARY**

- 1.1.Market Snapshot
- 1.2.Global & Segmental Market Estimates & Forecasts, 2018-2026 (USD Billion)
  - 1.2.1.Nucleic Acid Testing Market, by Region, 2018-2026 (USD Billion)
  - 1.2.2.Nucleic Acid Testing Market, by Technology, 2018-2026 (USD Billion)
  - 1.2.3.Nucleic Acid Testing Market, by End-User, 2018-2026 (USD Billion)
- 1.3.Key Trends
- 1.4.Estimation Methodology
- 1.5.Research Assumption

### **CHAPTER 2.GLOBAL NUCLEIC ACID TESTING MARKET DEFINITION AND SCOPE**

- 2.1.Objective of the Study
- 2.2.Market Definition & Scope
  - 2.2.1.Scope of the Study
  - 2.2.2.Industry Evolution
- 2.3.Years Considered for the Study
- 2.4.Currency Conversion Rates

### **CHAPTER 3.GLOBAL NUCLEIC ACID TESTING MARKET DYNAMICS**

- 3.1.Nucleic Acid Testing Market Impact Analysis (2018-2026)
  - 3.1.1.Market Drivers
  - 3.1.2.Market Challenges
  - 3.1.3.Market Opportunities

### **CHAPTER 4.GLOBAL NUCLEIC ACID TESTING MARKET: INDUSTRY ANALYSIS**

- 4.1.Porter's 5 Force Model
  - 4.1.1.Bargaining Power of Suppliers
  - 4.1.2.Bargaining Power of Buyers
  - 4.1.3.Threat of New Entrants
  - 4.1.4.Threat of Substitutes
  - 4.1.5.Competitive Rivalry
  - 4.1.6.Futuristic Approach to Porter's 5 Force Model (2016-2026)
- 4.2.PEST Analysis

- 4.2.1.Political
- 4.2.2.Economical
- 4.2.3.Social
- 4.2.4.Technological
- 4.3.Investment Adoption Model
- 4.4.Analyst Recommendation & Conclusion

## **CHAPTER 5.GLOBAL NUCLEIC ACID TESTING MARKET, BY TECHNOLOGY**

- 5.1.Market Snapshot
- 5.2.Global Nucleic Acid Testing Market by Technology, Performance - Potential Analysis
- 5.3.Global Nucleic Acid Testing Market Estimates & Forecasts by Technology 2016-2026 (USD Billion)
- 5.4.Nucleic Acid Testing Market, Sub Segment Analysis
  - 5.4.1. Polymerase Chain Reaction (PCR)
  - 5.4.2.Strand Displacement Assay (SDA)
  - 5.4.3.Ligase Chain Reaction (LCR)

## **CHAPTER 6.GLOBAL NUCLEIC ACID TESTING MARKET, BY END-USER**

- 6.1.Market Snapshot
- 6.2.Global Nucleic Acid Testing Market by End-User, Performance - Potential Analysis
- 6.3.Global Nucleic Acid Testing Market Estimates & Forecasts by End-User 2016-2026 (USD Billion)
- 6.4.Nucleic Acid Testing Market, Sub Segment Analysis
  - 6.4.1. Hospitals
  - 6.4.2.Clinics
  - 6.4.3.Research Institutes

## **CHAPTER 7.GLOBAL NUCLEIC ACID TESTING MARKET, REGIONAL ANALYSIS**

- 7.1.Nucleic Acid Testing Market, Regional Market Snapshot
- 7.2.North America Nucleic Acid Testing Market
  - 7.2.1.U.S. Nucleic Acid Testing Market
    - 7.2.1.1. Technology breakdown estimates & forecasts, 2016-2026
    - 7.2.1.2. End-User breakdown estimates & forecasts, 2016-2026
  - 7.2.2.Canada Nucleic Acid Testing Market
- 7.3.Europe Nucleic Acid Testing Market Snapshot

- 7.3.1.U.K. Nucleic Acid Testing Market
- 7.3.2.Germany Nucleic Acid Testing Market
- 7.3.3.Rest of Europe Nucleic Acid Testing Market
- 7.4.Asia-Pacific Nucleic Acid Testing Market Snapshot
  - 7.4.1.China Nucleic Acid Testing Market
  - 7.4.2.India Nucleic Acid Testing Market
  - 7.4.3.Japan Nucleic Acid Testing Market
  - 7.4.4.Rest of Asia Pacific Nucleic Acid Testing Market
- 7.5.Latin America Nucleic Acid Testing Market Snapshot
  - 7.5.1.Brazil Nucleic Acid Testing Market
  - 7.5.2.Mexico Nucleic Acid Testing Market
- 7.6.Rest of The World Nucleic Acid Testing Market

## **CHAPTER 8.COMPETITIVE INTELLIGENCE**

- 8.1.Top Market Strategies
- 8.2.Company Profiles
  - 8.2.1. Abbott Laboratories
    - 8.2.1.1.Key Information
    - 8.2.1.2.Overview
    - 8.2.1.3.Financial (Subject to Data Availability)
    - 8.2.1.4.Product Summary
    - 8.2.1.5.Recent Developments
  - 8.2.2. Roche Molecular Systems
  - 8.2.3.GenMark Diagnostics
  - 8.2.4.Shanghai ZJ Bio-Tech
  - 8.2.5.Shanghai Geneodx Biotech
  - 8.2.6.Genomics Biotech (Wuhan)
  - 8.2.7.Zhongshan Daan Gene
  - 8.2.8.Sanaure
  - 8.2.9.Shanghai Bio-Germ
  - 8.2.10.Chengdu Boaojing Bio-Tech

## **CHAPTER 9.RESEARCH PROCESS**

- 9.1.Research Process
  - 9.1.1.Data Mining
  - 9.1.2.Analysis
  - 9.1.3.Market Estimation

9.1.4.Validation

9.1.5.Publishing

9.2.Research Attributes

9.3.Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. List of secondary sources, used in the study of global Nucleic Acid Testing market

TABLE 2. List of primary sources, used in the study of global Nucleic Acid Testing market

TABLE 3. Global Nucleic Acid Testing market, report scope

TABLE 4. Years considered for the study

TABLE 5. Exchange rates considered

TABLE 6. Global Nucleic Acid Testing market estimates & forecasts by region 2016-2026 (USD billion)

TABLE 7. Global Nucleic Acid Testing market estimates & forecasts by Technology 2016-2026 (USD billion)

TABLE 8. Global Nucleic Acid Testing market estimates & forecasts by end-user 2016-2026 (USD billion)

TABLE 9. Global Nucleic Acid Testing market by segment, estimates & forecasts, 2016-2026 (USD billion)

TABLE 10. Global Nucleic Acid Testing market by region, estimates & forecasts, 2016-2026 (USD billion)

TABLE 11. Global Nucleic Acid Testing market by segment, estimates & forecasts, 2016-2026 (USD billion)

TABLE 12. Global Nucleic Acid Testing market by region, estimates & forecasts, 2016-2026 (USD billion)

TABLE 13. Global Nucleic Acid Testing market by segment, estimates & forecasts, 2016-2026 (USD billion)

TABLE 14. Global Nucleic Acid Testing market by region, estimates & forecasts, 2016-2026 (USD billion)

TABLE 15. Global Nucleic Acid Testing market by segment, estimates & forecasts, 2016-2026 (USD billion)

TABLE 16. Global Nucleic Acid Testing market by region, estimates & forecasts, 2016-2026 (USD billion)

TABLE 17. Global Nucleic Acid Testing market by segment, estimates & forecasts, 2016-2026 (USD billion)

TABLE 18. Global Nucleic Acid Testing market by region, estimates & forecasts, 2016-2026 (USD billion)

TABLE 19. U.S. Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 20.U.S. Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 21.U.S. Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 22.Canada Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD  
billion)

TABLE 23.Canada Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 24.Canada Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 25.UK Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD  
billion)

TABLE 26.UK Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 27.UK Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 28.Germany Nucleic Acid Testing market estimates & forecasts, 2016-2026  
(USD billion)

TABLE 29.Germany Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 30.Germany Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 31.RoE Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD  
billion)

TABLE 32.RoE Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 33.RoE Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 34.China Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD  
billion)

TABLE 35.China Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 36.China Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 37.India Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD  
billion)

TABLE 38.India Nucleic Acid Testing market estimates & forecasts by segment  
2016-2026 (USD billion)

TABLE 39.India Nucleic Acid Testing market estimates & forecasts by segment

2016-2026 (USD billion)

TABLE 40. Japan Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 41. Japan Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 42. Japan Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 43. RoAPAC Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 44. RoAPAC Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 45. RoAPAC Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 46. Brazil Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 47. Brazil Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 48. Brazil Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 49. Mexico Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 50. Mexico Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 51. Mexico Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 52. RoLA Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 53. RoLA Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 54. RoLA Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 55. RoW Nucleic Acid Testing market estimates & forecasts, 2016-2026 (USD billion)

TABLE 56. RoW Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

TABLE 57. RoW Nucleic Acid Testing market estimates & forecasts by segment 2016-2026 (USD billion)

## List Of Figures

### LIST OF FIGURES

- FIG 1.Global Nucleic Acid Testing market, research methodology
- FIG 2.Global Nucleic Acid Testing market, market estimation techniques
- FIG 3.Global market size estimates & forecast methods
- FIG 4.Global Nucleic Acid Testing market, key trends 2019
- FIG 5.Global Nucleic Acid Testing market, growth prospects 2020-2026
- FIG 6.Global Nucleic Acid Testing market, porters 5 force model
- FIG 7.Global Nucleic Acid Testing market, pest analysis
- FIG 8.Global Nucleic Acid Testing market, value chain analysis
- FIG 9.Global Nucleic Acid Testing market by segment, 2016 & 2026 (USD billion)
- FIG 10.Global Nucleic Acid Testing market by segment, 2016 & 2026 (USD billion)
- FIG 11.Global Nucleic Acid Testing market by segment, 2016 & 2026 (USD billion)
- FIG 12.Global Nucleic Acid Testing market by segment, 2016 & 2026 (USD billion)
- FIG 13.Global Nucleic Acid Testing market by segment, 2016 & 2026 (USD billion)
- FIG 14.Global Nucleic Acid Testing market, regional snapshot 2016 & 2026
- FIG 15.North America Nucleic Acid Testing market 2016 & 2026 (USD billion)
- FIG 16.Europe Nucleic Acid Testing market 2016 & 2026 (USD billion)
- FIG 17.Asia pacific Nucleic Acid Testing market 2016 & 2026 (USD billion)
- FIG 18.Latin America Nucleic Acid Testing market 2016 & 2026 (USD billion)
- FIG 19.Global Nucleic Acid Testing market, company market share analysis (2019)

### COMPANIES MENTIONED

Abbott Laboratories  
Roche Molecular Systems  
GenMark Diagnostics  
Shanghai ZJ Bio-Tech  
Shanghai Geneodx Biotech  
Genomics Biotech (Wuhan)  
Zhongshan Daan Gene  
Sanaure  
Shanghai Bio-Germ  
Chengdu Boaojing Bio-Tech

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