

# **Nucleic Acid Isolation And Purification Market Size, Share & Trends Analysis Report By Product, By Type, By Application, By Method, By End-use, By Region, And Segment Forecasts, 2023 - 2030**

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## **Abstracts**

**This report can be delivered to the clients within 3 Business Days**

### **Nucleic Acid Isolation And Purification Market Growth & Trends**

The global nucleic acid isolation and purification market size is expected to reach USD 11.21 billion by 2030, expanding at 10.06% CAGR from 2023 to 2030, according to a new report by Grand View Research, Inc. Increasing automation in industries, and technological advancements in DNA purification & isolation technologies are anticipated to drive the global market during the forecast period. In addition, the flourishing biotechnology sector in emerging economies, rising adoption of molecular diagnostics, and surging trend for precision medicine are expected to offer lucrative growth opportunities.

The demand for nucleic acid isolation and purification has risen with the COVID-19 pandemic. The demand for nucleic acid isolation and purification processes has risen enormously, not only for COVID-19 testing and confirmation purposes but also for strain confirmation, research, and analysis. However, the market is highly fragmented and competitive. In addition, there is a lack of automation and skilled professionals in the market, which paves the way for new players with disruptive technologies to grow in the market. Furthermore, the availability of NGS technology and genomic data is expected to increase the growth potential for this market.

Nucleic acid isolation and purification are used in molecular diagnostics for diagnosing a

range of diseases including cancer, infectious diseases, genetic disorders, and hospital-acquired infections among others. The increasing demand for precise and reliable diagnostic kits has propelled the adoption of nucleic acid purification techniques thereby supporting market expansion. Also, recent product launches by market participants is another factor fueling NAIP technology. For instance, in January 2023, QIAGEN launched EZ2 Connect molecular diagnostics platform for automated sample processing in diagnostic laboratories.

Furthermore, the flourishing biotechnology and pharmaceutical sector has driven the demand for DNA extraction and purification technique. The technique has a fundamental role in various applications including, gene therapy development, recombinant protein production, and gene expression analysis. Also, various organic as well as inorganic developments undertaken by market participants to strengthen their business avenues are further expected to drive the global market. For instance, in March 2021 Promega Corporation launched XpressAMP reagents for RNA extraction. The newly launched reagents are automation friendly and can be used for nucleic acid purification and isolation purposes.

### Nucleic Acid Isolation And Purification Market Report Highlights

In Product, the kits & reagents segment dominated the market in 2022, with a revenue share of 76.28%. The high revenue growth of the segment is owing to rising demand for kits during analysis and rising research studies

By type, RNA isolation and purification held a larger share of 53.88% in 2022. The higher revenue share is attributed to rising molecular biology applications and increasing application of RNA isolation in the development of diagnostics

Based on application, the diagnostics segment dominated the market with a revenue share of 33.49% in 2022. The rising application of DNA and RNA isolation for the identification of pathogens in routine sample processing is expected to drive segment expansion

The method using magnetic beads amounted to a maximum share of 38.54% followed by the column-based method in 2022

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