

Nucleic Acid Isolation and Purification - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Nucleic Acid Isolation and Purification Market is accounted for \$3.20 billion in 2020 and is expected to reach \$7.02 billion by 2028 growing at a CAGR of 10.3% during the forecast period. Rising technological advancements, growing concern for the prevalence of several infectious diseases, and increasing R&D activities are the major factors propelling the market growth. However, high cost of automated instruments is hampering the market growth.

Nucleic acid isolation and purification is essential for a variety of medical applications such as drug discovery, research and others. The need for high quality, highly pure nucleic acid such as DNA and RNA is an essential for a wide variety of research and clinical applications. The isolation and purification of DNA or RNA is required for the genetic analysis and also used for other medical, scientific and forensic purposes. Different techniques are used to perform the process such as reagent-based technique, column-based technique and others. For the isolation and the purification of the nucleic acid, sources can be diverse such as hair, blood, bones, sperm, saliva, nails and urine.

Based on end user, the hospitals & diagnostic centers segment is going to have a lucrative growth during the forecast period owing to the increasing demand for early and accurate diagnosis of diseases. DNA/RNA isolation and purification techniques are considered efficient tools for the diagnosis of even genetic diseases such as sickle cell anemia, haemophilia A, and Tay-Sachs disease. Hence, the availability of such efficient technologies at moderate to low prices is expected to increase their adoption rate in diagnostic centers and hospitals.

By geography, North America is going to have a lucrative growth during the forecast period due to the very high use of downstream processes in the region. The growth of

the market is also attributed due to the rapid technological advances, wide-range applications of nucleic acid testing in diagnostics boosting the market, rise in the R&D funding in biotechnology and healthcare. Furthermore, the presence of well-established healthcare infrastructure is also fueling the growth of the overall regional market to a large extent.

Some of the key players profiled in the Nucleic Acid Isolation and Purification Market include Agilent Technologies, Bio-Rad Laboratories, BioVision, Danaher Corporation, F. Hoffmann-La Roche Ltd, GE Healthcare, Illumina, Inc, Merck KGaA, New England Biolabs, Norgen Biotek Corp, Omega Bio-tek, Promega Corporation, Thermo Fisher Scientific, Zymo Research, Epicentre, Hamilton, Qiagen, and New England Biolabs.

Products Covered:

Instruments

Reagents

Kits

Types Covered:

Circulating Nucleic Acid Isolation and Purification

Deoxyribonucleic Acid (DNA) Isolation & Purification

Polymerase Chain Reaction (PCR) Cleanup

Ribonucleic Acid (RNA) Isolation & Purification

Methods Covered:

Column-based Isolation and Purification

Magnetic Bead-based Isolation and Purification

Reagent-based Isolation and Purification

Other Methods

Applications Covered:

Agriculture & Animal Research

Diagnostics

Drug Discovery & Development

Oncology

Precision Medicine

End Users Covered:

Academic & Government Research Institutes

Contract Research Organizations

Hospitals & Diagnostic Centers

Pharmaceutical & Biotechnology Companies

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

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Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

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Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

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