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NOIDA, UTTAR PARDESH, INDIA, December 1, 2023 /EINPresswire.com/ -- According to a new report published by Knowledge Sourcing Intelligence, forecasted between 2021 and 2028, the [microRNA market](#) was valued at US\$1410.532 million in 2021 and is anticipated to grow at a CAGR of 18.19%.

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The prime factors propelling the microRNA market growth are the increasing prevalence of chronic diseases, advances in microRNA research, growing demand for personalized medicine, government support, strong presence of technology companies, expanding applications of microRNA, and rising healthcare expenditures.

MiRNAs, short, non-coding RNA molecules, wield significant control over gene expression. They are found in plants, animals, and viruses, and they are involved in a wide range of biological processes, including development,

differentiation, and disease. The outlook for the miRNA market is positive. The market is expected to continue to grow in the coming years, driven by the factors mentioned above. In addition, new miRNA-based technologies are being developed that have the potential to further improve the lives of patients with chronic diseases and to revolutionize healthcare.

The industry is at the forefront of a collaborative and innovation-driven revolution. In September 2022, Craif made a significant breakthrough in cancer detection with the introduction of a novel [breast cancer](#) test in its miSignal® series. Employing urinary microRNA, this groundbreaking test offers simultaneous detection of both breast and ovarian cancer at an early stage.

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[market](#)

Based on the type, the microRNA market is divided into products and services. The products segment is expected to experience faster growth than the services segment. There is a growing demand for miRNA-based products, such as miRNA mimics, inhibitors, and antisense oligonucleotides, for use in research, diagnostics, and [therapeutics](#). This demand is being driven by the increasing prevalence of chronic diseases and the growing understanding of the role of miRNAs in these diseases. Technological advancements in the development and manufacturing of miRNA-based products are making these products more affordable, accessible, and effective. This is leading to increased adoption of miRNA-based products in a wider range of applications.

Based on the application, the microRNA market is divided into cancer, infectious diseases, immunological disorders, cardiovascular disease, neurological disease, and others. The cancer segment is the largest application segment. This is due to the high prevalence of cancer the growing understanding of the role of microRNAs in cancer development and progression, the growing understanding of the role of microRNAs in cancer development and progression, and the development of new miRNA-based cancer therapies.

Based on the end-user, the microRNA market is divided into biotechnology & pharmaceutical companies, academic & government research institutes, and other end-users. The biotechnology & pharmaceutical companies (B&P) segment is expected to experience the fastest growth in the microRNA (miRNA) market over the coming years. B&P companies are heavily invested in research and development (R&D) of miRNA-based therapeutics and diagnostics. They have the resources and expertise to develop and commercialize these products. B&P companies are well-positioned to meet the growing demand for miRNA-based products from hospitals, clinics, and other healthcare providers.

Based on Geography, North America is poised to dominate the microRNA market. North America has a well-established and well-funded healthcare infrastructure, which provides a strong foundation for the adoption of microRNA-based technologies. This includes a large network of hospitals, clinics, and research institutions, as well as a strong pool of healthcare professionals. Governments in North America are investing heavily in microRNA research and development. This is due to the potential of microRNAs to revolutionize healthcare. The Centers for Disease Control and Prevention (CDC) and the National Institutes of Health (NIH) have both issued guidelines that encourage the use of microRNAs in healthcare settings.

As a part of the report, the major players operating in the microRNA market, that have been covered are Thermo Fisher Scientific, Inc., Horizon Discovery Ltd., QIAGEN, BioGenex, GeneCopoeia, Inc., NanoString, Quantabio, SeqMatic LLC, OriGene Technologies, Inc., Illumina, Inc.

The market analytics report segments the microRNA market using the following criteria:

- BY TYPE

- o Products
- o Services

- BY APPLICATION

- o Cancer
- o Infectious Diseases
- o Immunological Disorder
- o Cardiovascular Disease
- o Neurological Disease
- o Others

- BY END-USE

- o Biotechnology & Pharmaceutical Companies
- o Academic & Government Research Institutes
- o Other end-users

- BY GEOGRAPHY

- o North America

- United States
- Canada
- Mexico

- o South America

- Brazil
- Argentina
- Others

- o Europe

- United Kingdom
- Germany
- France
- Spain
- Others

- o Middle East and Africa

- Saudi Arabia
- UAE
- Israel
- Others

o Asia Pacific

- Japan
- China
- India
- South Korea
- Indonesia
- Thailand
- Others

Companies Profiled:

- Thermo Fisher Scientific, Inc.
- Horizon Discovery Ltd.
- QIAGEN
- BioGenex
- GeneCopoeia, Inc.
- NanoString
- Quantabio
- SeqMatic LLC
- OriGene Technologies, Inc.
- Illumina, Inc.

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Ankit Mishra

Knowledge Sourcing Intelligence LLP

+1 850-250-1698

[email us here](#)

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