

Molecular Forensics Market Size Worth USD 2,223.7 Million by 2027 At CAGR of 9.8% | Advancement in Technology

The adoption of advanced hybridization technologies for molecular forensics tests is driving market demand.

VANCOUVER, BC, CANADA, March 30, 2022 /EINPresswire.com/ -- The global [Molecular Forensics Market](#) is forecasted to be worth USD 2,223.7 Million by 2027, according to a current analysis by Emergen Research. The market for molecular forensics is growing due to the advancement in technology and the adoption of advanced hybridization technologies for molecular forensics tests.



The Global Molecular Forensics Market Research Report published by Emergen Research has been formulated by analysis of key business details and extensive geographical spread of the Molecular Forensics industry. The study offers comprehensive coverage of the qualitative and quantitative analysis of the Molecular Forensics market along with crucial statistical data about the Molecular Forensics market. The research study provides historical data from 2017 to 2018 and offers accurate forecast estimation until 2027. The report also profiles established and emerging players of the market, covering the business overview, product portfolio, strategic alliances, and business expansion strategies.

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Leading Players Analyzed in the Report are:

Analytik Jena AG, BioChain Institute Inc., Eurofins Scientific SE, Agilent Technologies, Inc., AS ONE International, Inc., Bio-Rad Laboratories, Inc., General Electric Company, Eurofins Scientific SE, Merck KGaA, and Illumina, Inc., among others

Some Key Highlights from the Report:

In May 2020, Renishaw launched the Raman system for forensic analysis. The inVia InSpect is the latest version of its bestselling inVia confocal Raman microscope, customized for usage in molecular forensic laboratories for trace evidence analysis.

The nucleic acid analysis includes isolation as well as characterization of RNA and DNA for application in gene expression, genotyping, microbiome studies, and epigenetic analysis, among others. The segment includes nucleic acid extraction and cleans up, PCR, DNA/RNA quantification, and molecular sequencing.

The software segment is anticipated to grow with a CAGR of xx% during the forecast period. The development in molecular software helps in tracking of sample handling throughout the process.

NGS enables molecular forensics to generate data that span the human genome, and NGS-generated short tandem repeat calls are fully compatible. With its ultra-high scalability, throughput, and speed, Next Generation Sequencing allows researchers to perform different variety of applications and study biological systems at an advanced level.

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Molecular Forensics Market Segmentation:

Product Outlook (Revenue, USD Billion; 2017-2027)

Instruments

Kits and Consumables

Software and other products

Technology Outlook (Revenue, USD Billion; 2017-2027)

Polymerase Chain Reaction (PCR)

Real-time PCR (q-PCR)

Digital PCR (d-PCR)

Capillary Electrophoresis

NGS

SNP and STR Sequencing

mtDNA Sequencing

Mass Spectrometry

MS

Tandem MS

MS-FTIR

Other Technologies

Application Outlook (Revenue, USD Billion; 2017-2027)

Radioactive Toxicology

Nucleic Acid Analysis

Forensic Databasing

Microbial Forensics

Other Applications

End-User Outlook (Revenue, USD Billion; 2017-2027)

Law Enforcement

Disaster Management

Hospitals and Healthcare Providers

Other End Users

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Regional Segmentation;

North America (U.S., Canada)

Europe (U.K., Italy, Germany, France, Rest of EU)

Asia Pacific (India, Japan, China, South Korea, Australia, Rest of APAC)

Latin America (Chile, Brazil, Argentina, Rest of Latin America)

Middle East & Africa (Saudi Arabia, U.A.E., South Africa, Rest of MEA)

Highlights of the Molecular Forensics Market Report:

Comprehensive overview of the Molecular Forensics market along with analysis of the changing dynamics of the market

Growth Assessment of various market segments throughout the forecast period

Regional and global analysis of the market players, including their market share and global position

Growth strategies adopted by key market players to combat the impact of the COVID-19 pandemic on the market

Impact of the technological developments and R&D advancements on the Molecular Forensics market

Information about profit-making strategies and developmental strategies of major companies and manufacturers

Insightful information for the new entrants willing to enter the market

Details and insights about business expansion strategies, product launches, and other collaborations

The report incorporates advanced analytical tools such as SWOT analysis, Porter's Five Forces Analysis, feasibility analysis, and investment return analysis

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At Emergen Research, we believe in advancing with technology. We are a growing market research and strategy consulting company with an exhaustive knowledge base of cutting-edge and potentially market-disrupting technologies that are predicted to become more prevalent in the coming decade.

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