

Global DNA Forensics Market

Market Research Report | 2025-07-10 | 136 pages | BCC Research

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Report description:

Description

Report Scope

This report analyzes trends in the global DNA forensics market. The market is segmented based on product types, sources, techniques, applications, end users and regions. The product type segment comprises kits and consumables, equipment, and software. The source segment includes blood, bones, hair and others. The technique segment comprises polymerase chain reaction (PCR), amplification, short tandem repeat (STR), capillary electrophoresis (CE), next-generation sequencing (NGS) and others. In terms of application, the market has been categorized into criminal testing, paternity and familial testing, and others. End users include forensic laboratories, research institutes and others.

The report focuses on the significant trends and challenges that affect the market and vendor landscape. It analyzes patents and emerging technologies related to the market. The report also examines the competitive landscape and industry structure and concludes with profiles of the leading companies.

This report segments the DNA forensic market by geographical region into North America, Europe, Asia-Pacific, the Middle East and Africa (MEA), and South America. The North American region includes the U.S., Canada and Mexico. Europe includes Germany, the U.K., Italy, France, Spain and the Rest of Europe; Asia-Pacific includes China, Japan, India, South Korea, Australia and the Rest of Asia-Pacific. The Middle East and Africa include the Middle East and Africa regions. The South American region comprises Brazil, Argentina and the rest of South America. The report covers global revenue (\$ millions) for the base year 2024 and forecast values for 2025 through 2030.

Report Includes

- 88 data tables and 41 additional tables
- An overview of the global market for DNA forensics
- An analysis of the global market trends, with market revenue data from 2022 to 2024, estimates for 2025, and projected CAGRs through 2030
- Evaluation of the current and future market potential, and quantification of the market by product type, DNA source,

technique/technology type, application, end user, and region

- Facts and figures pertaining to market dynamics, technological advances, regulations and the impact of macroeconomic factors
- Insights derived from Porter's Five Forces model, as well as global supply chain analysis
- Impact of U.S. tariff laws on the DNA forensics market
- Patent analysis, featuring key granted and published patents
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, as well as the ESG risk ratings and practices of leading companies
- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook
- Profiles of the leading companies, including Thermo Fisher Scientific Inc., QIAGEN, Promega Corp., Illumina Inc., and Agilent Technologies, Inc.

Executive Summary

Summary:

The global market for DNA forensics is projected to grow from an estimated \$3.3 billion in 2025 to \$4.7 billion by the end of 2030, at a compound annual growth rate (CAGR) of 7.7% from 2025 to 2030.

DNA forensics can be applied to criminal justice, civil proceedings, and humanitarian intervention. It is the scientific method of analyzing and comparing an individual's DNA to establish the identity of biological relationships in a legal context. It also aids in identifying suspects and linking them to crime scenes through biological means in criminal investigations. It is crucial in absolving the innocent and resolving cold cases. DNA forensics is also utilized in civil matters for paternity and family relationship testing. Additionally, it plays a vital role in identifying victims of war or accidents. It also assists in the search for missing persons and in establishing identity in immigration proceedings. Its accuracy and reliability render it one of the pillars of contemporary forensic science.

The rising prevalence of criminal offenses worldwide has elevated the demand for reliable forensic equipment, with DNA profiling becoming a necessary tool in solving crimes and identifying suspects. Government programs and legislative requirements to collect and store DNA profiles have also increased forensic databases, cross-border collaborations and information sharing among law enforcement agencies. These are the factors responsible for market growth.

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ABBOTT

AGILENT TECHNOLOGIES INC.

BIO-RAD LABORATORIES INC.

DANAHER CORP.

EASYDNA

F. HOFFMANN-LA ROCHE LTD.

GORDIZ

ILLUMINA INC.

LABCORP.

MERCK KGAA

NMS LABS

PROMEGA CORP.

QIAGEN

THERMO FISHER SCIENTIFIC INC.

ZYMO RESEARCH CORP.

Emerging Startups/SMEs

ANDE Corp.

ParabonNanoLabs, Inc.

Nebula Genomics, Inc.

Element Biosciences

Ultima Genomics

CRI Genetics

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