

Human Identification Market Size by Product (Consumables (Kits & Reagents), Instruments, Software), Technology (PCR, Capillary Electrophoresis, Microarrays, NGS, Rapid DNA), Application (Forensics, Paternity Testing), End User & Region - Global Forecast to 2029

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Abstracts

The human identification market is valued at an estimated USD 0.8 billion in 2024 and is projected to reach USD 1.3 billion by 2029 at a CAGR of 10.7% during the forecast period. Human identification is widely used in forensics, paternity testing, disaster victim identification, and anthropology, among other applications, with DNA analysis/profiling being a key tool in this sector. It is also used in building citizen databases as a means of ensuring the provision of better healthcare and developing an organized set of records. Emerging markets such as Asia Pacific region offer lucrative growth opportunities for human identification market.

“Consumables (Reagents & kits) segment accounted for the highest growth rate in the human identification market, by product, during the forecast period.”

The human identification market is bifurcated into consumables, instruments, and software. Consumable segment in the human identification market is experiencing substantial growth. Major factors driving the growth of this segment include these consumables are frequently used in large amounts of repeat purchases by institutions and organizations that are involved in human identification.

“Forensics segment accounted for the highest growth rate in the human identification market, by application, during the forecast period.”

The human identification market is bifurcated into into forensics, paternity testing, and other applications (disaster victim identification, population genetics, identification of crimes related to human trafficking, and anthropology applications). This high throughput leads to regular procurement of consumables and the maintenance or replacement of systems, adding to the substantial share of human identification products utilized in forensics.

“Asia Pacific: The fastest-growing region human identification market.”

The worldwide market for human identification is categorized into North America, Europe, Asia Pacific, Latin America, the Middle East & Africa, and GCC countries. Notably, the Asia Pacific region market is expected to register the highest growth rate during the forecast period, mainly due to the increasing crime rates, rising number of forensic laboratories, and implementation of awareness campaigns and conferences on human identification and forensic sciences.

The break-up of the profile of primary participants in the human identification market:

By Company Type: Tier 1 - 48%, Tier 2 - 36%, and Tier 3 – 16%

By Designation: C-level - 14%, D-level - 10%, and Others - 76%

By Region: North America - 40%, Europe - 32%, Asia Pacific - 20%, Rest of the World – 8%

The key players in this market are Thermo Fisher Scientific Inc. (US), QIAGEN N.V. (Netherlands), Promega Corporation (US), Hamilton Company (US), FUJIFILM Wako Pure Chemical Corporation (Japan), ANDE (US), AutoGen Inc. (US), InnoGenomics Technologies, LLC (US), Oxford Nanopore Technologies Plc (UK), Bode Cellmark Forensics Inc. (US), Carolina Biological Supply (US), Genetek Biopharma GmbH (Germany), STRmix Limited (New Zealand), Ningbo HEALTH Gene Technologies Co., Ltd. (China), SoftGenetics (US), JusticeTrax (US), Geno Technology, Inc.(US), Bio-Rad Laboratories, Inc. (US), Complete Genomics (US), Bioneer Corporation (Republic of Korea), Abnova Corporation (Taiwan), and ZEISS (Germany).

Research Coverage:

This research report categorizes the human identification market by product (Consumables (DNA Amplification Kits & Reagents, DNA Quantification Kits & Reagents, DNA Extraction Kits and Reagents, Rapid DNA Analysis Kits & Reagents), Instruments (Sample Preparation & Extraction Systems, DNA Quantification Systems, DNA Amplification Systems, DNA Analysis Systems), and Software), , by technology (Capillary Electrophoresis, Polymerase Chain Reaction, Microarrays, Next-generation Sequencing, Rapid DNA Analysis), by application (Forensics, Paternity Testing, Other Applications), by end user (Forensic Laboratories, Research Centers and Academic & Government Institutes, Other End Users) and region (North America, Europe, Asia Pacific, Latin America, the Middle East & Africa and GCC countries). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, opportunities, and challenges influencing the growth of the human identification market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, key strategies, acquisitions, and agreements. New product & service launches and recent developments associated with the human identification market. Competitive analysis of upcoming startups in the human identification market ecosystem is covered in this report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall human identification market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (Government initiatives for forensic programs, increasing demand for paternity testing, rise in crime rates, backlog in criminal cases, market expansion initiatives by key players, rising awareness among investigators about role of DNA profiling in criminology), restraints (high cost of forensic tools and services), opportunities (Emerging markets offer lucrative growth opportunities, increasing investments and funding for forensic research, use of rapid DNA technology in forensic science), and challenges (shortage of skilled professionals) influencing the growth of the human identification market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the human identification market.

Market Development: Comprehensive information about lucrative markets – the report analyses the human identification market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the human identification market

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings of leading players like Thermo Fisher Scientific Inc. (US), QIAGEN N.V. (Netherlands), and Promega Corporation (US).

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*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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