

# Human Identification Market Size Witnesses Strong Growth Rate of CAGR 10.7%, Exceeding US\$ 4.9 Billion 2024-32

*The global human identification market size reached US\$ 1.9 Bn in 2023, projected to reach US\$ 4.9 Bn by 2032, with a CAGR of 10.7% during 2024-2032.*

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The latest report by IMARC Group, titled "Human Identification Market Report by Product & Service (Instruments, Assay Kits and Reagents, Software and Services), Technology (Polymerase Chain Reaction (PCR), Next Generation Sequencing (NGS), Nucleic

Acid Purification and Extraction, Capillary Electrophoresis, Rapid DNA Analysis, and Others), Application (Forensic Applications, Paternity Testing, and Others), End User (Forensic Laboratories, Research Centers, Academic and Government Institutes), and Region 2024-2032", offers a comprehensive analysis of the industry, which comprises insights on the market.



How big is the human identification market?

The global human identification market size reached US\$ 1.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.9 Billion by 2032, exhibiting a growth rate (CAGR) of 10.7% during 2024-2032.

Factors Affecting the Growth of Human Identification Industry:

- Significant Technological Advancements:

Advancements in biometric technology are a primary driver of the human identification market. Biometric technologies, such as fingerprint recognition, facial recognition, iris recognition, and voice recognition, have witnessed significant improvements in accuracy, speed, and reliability. These advancements have led to their widespread adoption across various industries, including

law enforcement, border control, banking, healthcare, and transportation. One aspect driving this advancement is the increasing demand for robust security measures to combat identity theft, fraud, and unauthorized access. Biometric authentication offers a higher level of security compared to traditional methods such as passwords or PINs, as biometric traits are unique to individuals and difficult to forge or replicate.

- Rising Security Concerns and Regulatory Compliance:

Rising security concerns and regulatory compliance requirements are significant factors driving the human identification market. In an increasingly interconnected world, organizations face growing threats from cybercrime, terrorism, identity theft, and other security breaches. As a result, there is a heightened emphasis on implementing robust identity verification and authentication measures to safeguard sensitive information and secure access to critical systems and resources. Regulatory bodies and industry standards are also driving the adoption of human identification solutions. For instance, regulations such as the General Data Protection Regulation (GDPR) in Europe and the Health Insurance Portability and Accountability Act (HIPAA) in the United States mandate stringent data protection measures and require organizations to implement secure identity verification processes.

- Increasing Adoption of Biometrics in Government and Law Enforcement:

The increasing adoption of biometrics in government and law enforcement agencies is a significant driver of the human identification market. Governments worldwide are leveraging biometric technologies to enhance national security, improve border control, and streamline identity verification processes. One key application of biometrics in government is the issuance of biometric identification documents, such as e-passports, national IDs, and licenses of the driver. These documents incorporate biometric data, such as facial images, fingerprints, or iris scans, to uniquely identify individuals and prevent identity fraud. Biometric authentication also enables secure access to government services and facilities, reducing the risk of unauthorized access and identity theft.

For an in-depth analysis, you can request a sample copy of the report:

<https://www.imarcgroup.com/human-identification-market/requestsample>

#### Top Companies in the Human Identification Industry:

- Abbott Laboratories
- Agilent Technologies Inc.
- Bio-Rad Laboratories Inc.
- Eurofins Scientific
- Hamilton Company
- Illumina Inc.
- Laboratory Corporation of America Holdings

- PerkinElmer Inc.
- Promega Corporation
- Qiagen N.V.
- Siemens AG
- Thermo Fisher Scientific Inc.

#### Human Identification Market Report Segmentation:

##### By Product and Service:

- Instruments
- Assay Kits and Reagents
- Software and Services

Assay kits and reagents dominate the market due to their essential role in facilitating accurate and efficient detection, measurement, and analysis of biological samples in various research, diagnostic, and pharmaceutical applications.

##### By Technology:

- Polymerase Chain Reaction (PCR)
- Next Generation Sequencing (NGS)
- Nucleic Acid Purification and Extraction
- Capillary Electrophoresis
- Rapid DNA Analysis
- Others

Polymerase chain reaction (PCR) holds maximum number of shares due to its widespread adoption across various industries for its high sensitivity, specificity, and versatility in amplifying and detecting DNA sequences.

##### By Application:

- Forensic Applications
- Paternity Testing
- Others

Based on the application, the market has been divided into forensic applications, paternity testing and others.

##### By End User:

- Forensic Laboratories

- Research Centers, Academic and Government Institutes

Forensic laboratories represent the largest segment due to the crucial role they play in analyzing and processing evidence for criminal investigations, legal proceedings, and DNA profiling, serving both law enforcement agencies and judicial systems worldwide.

Regional Insights:

- North America (United States, Canada)
- Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, Others)
- Europe (Germany, France, United Kingdom, Italy, Spain, Russia, Others)
- Latin America (Brazil, Mexico, Others)
- Middle East and Africa

North America's dominance in the human identification market is attributed to its advanced technological infrastructure, substantial investment in forensic and research activities, and stringent legal frameworks mandating the use of human identification in various applications.

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Global Human Identification Market Trends:

The human identification market is experiencing robust growth, driven by several key factors. Foremost among these is the rising demand for forensic applications, fueled by an increasing number of criminal and forensic investigations that require accurate human identification to solve crimes and expedite judicial processes. Technological advancements in DNA sequencing and analysis tools have significantly enhanced the efficiency and accuracy of human identification methods, making them more accessible and cost-effective for a broad range of applications. Additionally, there's a growing application of human identification techniques in disaster victim identification, reflecting an urgent need for accurate identification methods in the aftermath of natural or man-made disasters.

Note: If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

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IMARC's information products include major market, scientific, economic, and technological developments for business leaders in pharmaceutical, industrial, and high-technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology, and novel processing methods are at the top of the company's expertise.

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