

African Forensic DNA Testing Market by Product and Service (Consumables, Instruments, Software), Assay Kits and Reagents (DNA Amplification, Quantification), Technology (Capillary Electrophoresis, PCR, NGS, Microarray, Rapid DNA Analysis) - Forecast to 2025

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Abstracts

African Forensic DNA Testing Market by Product & Service (Consumables, Instruments, Software), Assay Kits & Reagents (DNA Amplification, Quantification), Technology (Capillary Electrophoresis, PCR, NGS, Microarray, Rapid DNA Analysis)- Forecast to 2025

The African forensic DNA testing market is expected to grow at a CAGR of 13.1% from 2019 to 2025 to reach \$136.3 million by 2025.

Succeeding an extensive secondary and primary research and in-depth analysis of the market scenario, the report carries out the key industry drivers, restraints, challenges, and opportunities. The growth in African forensic DNA testing market is mainly attributed to the rising number of violent crimes, growing need for advanced technology with increase in the number of unresolved cases, and rising government support and legislations on the use of DNA database for forensics. In addition, factors such as increasing overall R&D spending and government initiatives for forensic science and technology are providing significant opportunities in this market. However, non-uniformity in the government regulations across the region is recognized as major hurdle to overcome. In addition, complexity in interpretation of DNA testing results from mixed or degraded samples further hinders the growth of this market.

The African forensic DNA testing market is mainly segmented by product & service (consumables, instrument, software, and services), technology (capillary electrophoresis (CE), polymerase chain reaction (PCR), nucleic acid isolation and purification, automated liquid handling, rapid DNA analysis, next generation sequencing, and microarrays). The study also evaluates industry competitors and analyzes the market at regional level.

On the basis of product and service type, the consumables segment is estimated to dominate the overall African forensic DNA testing market in 2019 and is also estimated to continue its dominance over the forecast period, owing to rising demand for assay kits & reagents with the rising application of DNA testing in growing number of forensic cases.

On the basis of technology, the capillary electrophoresis segment is estimated to hold the largest share of the overall African forensic DNA testing market in 2019, owing to the higher adoption of electrophoresis technology in forensic DNA testing and analysis, due to its better efficiency, cost effective consumables & reagents, less turnaround time, and high capability of DNA separation. However, NGS market is expected to grow at the fastest CAGR from 2019 to 2025.

The key players operating in the African forensic DNA testing market are F. Hoffmann-La Roche AG, Thermo Fisher Scientific Inc., Illumina, Inc., Agilent Technologies, Inc., Qiagen N.V., Eurofins Scientific SE, Promega Corporation, HEALTH BioMed Co., Ltd., Gordiz, and DNA Diagnostics Center among others.

Scope of the Report:

Market by Product & Service

Consumables

Assay kits and reagents

Electrophoresis Kits & Reagents

DNA Amplification Kits & Reagents

DNA Quantification Kits & Reagents

DNA Extraction Kits & Reagents

Rapid DNA Analysis Kits & Reagents

Other assay kits and reagents

Instruments

Software

Services

Market by Technology

Capillary electrophoresis

Polymerase chain reaction

Nucleic acid isolation and purification

Automated liquid handling

Rapid DNA analysis

Next generation sequencing

Microarrays

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