

Global Forensic Genomics Market Size study & Forecast, By Product (Analyzers &, Sequencers, Software, Kits & Consumable), Method (Capillary Electrophoresis, Next-generation Sequencing, PCR Amplification) By Application (Criminal Testing, Paternity & Familial Testing, Other), and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/G451AF7D225DEN.html>

Date: May 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G451AF7D225DEN

Abstracts

Global Forensic Genomics Market is valued at approximately USD 472.2 million in 2022 and is anticipated to grow with a healthy growth rate of more than 14.25% over the forecast period 2023-2030. Forensic genomics is the application of genomic technologies, including DNA sequencing, genotyping, and bioinformatics, to the analysis of forensic samples. It involves the use of genetic information to identify individuals, determine relationships between individuals, and provide evidence for legal and criminal investigations. Forensic genomics can be used in a wide range of applications, including identifying victims of crime and disaster, linking suspects to crime scenes, establishing paternity or maternity, and identifying human remains. The market has significant factors driving growth during the period such as rising government funds and initiatives for forensic programs and increasing criminal activities

The National Institute of Justice stated in January 2022 that as part of its program for research & evaluation for the testing and analysis of physical evidence in publicly funded forensic laboratories, it will provide financing of USD 13 million to support five projects. Worldwide industry was badly impacted by COVID-19. The demand for forensic genomics is expected to rise significantly in response to the increasing number of crimes committed throughout the world. In 2020, there were 743 murder cases registered, according to Statistics Canada's figures. 2020 saw a 7% increase in

homicide rates, from 1.83 to 1.95 per 100,000 inhabitants, the highest level since 2005. Further market growth would result from these considerations. However, the high cost of equipment and the dearth of skilled professionals in developing countries stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Forensic Genomics Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is leading the global market growth of Forensic Genomics owing to increase in cases of violent crimes and the subsequent rise in forensic analyses in the region. However, Asia Pacific is expected to be the fastest growing region owing to several initiatives taken by governments and key industry players.

Major market player included in this report are:

GE Healthcare

Thermo Fisher Scientific, Inc.

Agilent Technologies, Inc.

Eurofins Discovery

Gene by Gene, Ltd.

Verogen, Inc.

Illumina, Inc.

Neogen Corp.

Recent Developments in the Market:

Verogen, Inc. and Gene by Gene agreed to a collaborative agreement in August 2022 for the forensic study of genetic genealogy. Through their strategic partnership, FIGG would be able to analyse complex forensic evidence using standardised bioinformatic methods and reasonably priced whole genome sequencing services.

Global Forensic Genomics Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product, Method, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Analyzers & Sequencers
Software
Kits & Consumable

By Method:

Capillary Electrophoresis
Next-generation Sequencing
PCR Amplification

By Application:

Criminal Testing
Paternity & Familial Testing
Other

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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