

# Human Genetics Global market Research Report Forecast to 2024

PUNE, MAHARASHTRA, INDIA, May 17, 2016 /EINPresswire.com/ --  
Access Report: <https://www.marketresearchfuture.com/reports/human-genetics-market-research-report-global-report-global-forecast-to-2024>

Human genetic market, by instruments (Accessories, Device), by end-user (Hospital, Clinic, Research center), by method (Prenatal, Molecular, cytogenetic, presymptomatic), by application (Forensic science institute) - Global Forecast 2024

## About Human Genetics market:

Genetics is the study of genes, their functions and their effects. Among the various types of genetics such as molecular genetics, developmental genetics, population genetics and quantitative genetics, human genetics is the study that deals with the inheritance occurs in human beings. It encompasses a variety of overlapping fields such as classical genetics, cytogenetic, molecular genetics, genomics and many more.

The study of human heredity occupies a central position in genetics. Much of this interest stems from a basic desire to know who humans are and why they are as they are. It can be useful as it can answer questions about human nature, understand the diseases and development of effective disease treatment, and understand genetics of human life. At a more practical level, an understanding of human heredity is of critical importance in the prediction, diagnosis, and treatment of diseases that have a genetic component.

## Human Genetics market Application:

The study of the human genes and its functions is conducted with the help of various devices such as DNA machines or USB attached sensing devices. The study of Human genetics is also engaged with advanced research, teaching and training in areas which lie at the interface of modern genetics and medicine. It also provides comprehensive clinical services, including genetic counseling for a range of genetic disorders and inborn errors of metabolism.

## Human Genetics market growth influencer:

The growth driver includes: advancement of genetics testing technologies, rising genetic diseases, and rising awareness in terms of increasing knowledge about the potential benefits in genetic testing. Furthermore, aging population and increasing incidence of cancer cases are the other factors propelling growth of human genetics market.

The market for screening the newborns, diagnosing rare and fatal disorders, and predicting the probability of occurrence of abnormalities & diseases are likely to expand. Particularly, genetic tests to screen the newborns are expected to expand immensely over the coming years. Furthermore, the genetic disorders caused by microorganisms such Zika virus is one of the major concern behind of microcephaly. Microcephaly is a birth defect that is associated with a small head and incomplete brain development in newborns that transferred from mother to her child. Such, diseases are expected raise the application of the human genetic studies there by driving by the market. However, the high costing instruments and lack of experienced professionals are the major restraints for the growth of



Human genetics market.

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Human Genetics market segmentation:

The Human genetics market can be segmented into by methods, by product, by applications and by end-users.

Major Human genetics market by methods: cytogenetic, molecular, presymptomatic and prenatal.

Human genetics market by product: Consumables, devices and accessories

Human genetics market by applications: research, diagnostic and forensic science and others.

Human genetics market by end-users: hospitals, clinics, research centers and forensic departments.

Human Genetics market regional analysis:

The regional analysis includes North America, Europe, Asia Pacific, Middle East and rest of the world.

The global human genetic testing market expected to grow with a CAGR of more than 10% in the upcoming years. The rise of growth rate is due to increase in technological advancement and various measures taken by US government to expand the national DNA databases.

North America:

North America is dominating the Human genetic market due to increasing prevalence of diseases by genetic disorders and high technological advancement in the region followed by Europe. The rapid increase in viral infections such as Swine flues, cancer disease and various chronicle disease has increased the need of study of human genetic engineering in North America.

Asia:

The Asian region is showing good opportunities in Human genetic market because of support provided by foreign countries for enhancing forensics and DNA profiling services. Apart from this, factors such as occurrence of large number of natural disasters and awareness through forensics and DNA profiling related conferences are expected to provide required impetus for the growth of this market.

Human Genetics market major players:

Some of the Major players are:

Agilent Technologies (U.S.), Bode Technology (U.S.), GE Healthcare (U.K.), Illumina (U.S.), LGC Forensics (U.K.), Orchid Cellmark, Inc. (U.S.), Promega Corporation (U.S.), QIAGEN N.V. (Netherlands), Thermo Fisher Scientific, Inc. (U.S.).

Latest Trends:

- Agilent technologies have developed Human Gene expression micro arrays in 2014 which provide comprehensive coverage of genes and transcripts using the latest annotation databases. It provides up-to date content; widest dynamic range of over 5 logs ensures detection of low and high expressers for the most biologically relevant data and fully customizable content with multiple formats for the most flexible experimental design

- Bode Technology (Bode), one of the leading providers of forensic DNA services, has acquired Chromosomal Laboratories, Inc. in 2012, a leading provider of DNA testing for immigration and private paternity. By adding this expertise to its portfolio of service offerings, Bode is utilizing its vast international and domestic presence to provide best in class immigration paternity and private paternity testing to clients worldwide. Bode is a wholly owned subsidiary of Solution Point

International, Inc.

The reports also covers brief analysis of Geographical Region includes:

Americas

- North America

- US

- Canad

Europe

- Western Europe

- Germany

- France

- Italy

- Spain

- U.K

- Rest of Western Europe

- Eastern Europe

- Poland

- Russia

Asia– Pacific

- Asia

- China

- India

- Japan

- Rest of Asia

- Pacific Countries

- Australia

- New Zealand

- The Middle East& Africa

The report on Human Genetics Market comprises of extensive primary research along with the detailed analysis of qualitative as well as quantitative aspects by various industry experts, key opinion leaders to gain the deeper insight of the market and industry performance.

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