Europe Genetic Testing - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2021 - 2029

Market Report | 2024-02-17 | 95 pages | Mordor Intelligence

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Report description:

The Europe Genetic Testing Market size is estimated at USD 6.17 billion in 2024, and is expected to reach USD 10.19 billion by 2029, growing at a CAGR of 10.55% during the forecast period (2024-2029).

Key Highlights
-COVID-19 had a significant impact on the genetic testing market during the initial phases of the pandemic. Genetic testing helps identify variations that affect the response to COVID-19 and may lead to discovering new therapies that could reduce harm, save lives, and even prevent future outbreaks. In 2021, Genomtec launched the first genetic diagnostic test, SARS-Cov-2 EvaGreen Direct-RT-LAMP CE-IVD Kit, which enables the identification of SARS-CoV-2 infection from the patient's saliva in the European Union. Thus, the demand for genetic testing has experienced suddenly spiked due to the pandemic.
-However, according to the study published in Prenatal Diagnosis in March 2021, the COVID-19 pandemic may influence pregnant women's decisions about prenatal genetic testing. Patients' access to and use of prenatal genetic tests may be impacted by the pandemic. Hence, such a restraining factor imposed an adverse impact on the market initially, however, in later times the positive developments, such as COVID-19 related product launch, helped the market to gain positive momentum, thereby propelling the market growth.
-Genetic testing has been growing at an unprecedented rate, a large panel of tests is now available to screen a number of genetic diseases. Treatment is available for several rare genetic diseases and the procedure is gaining importance in scenarios, such as carrier testing, newborn screening, predictive and pre-symptomatic testing, etc. The major factors driving the growth of the European genetic testing market include increasing emphasis on early disease detection and prevention, increasing demand for personalized medicine, and increasing application of genetic testing in oncology, among others. For instance, in February 2022, the European Commission publicized four new European Union Cancer Plan activities to help Member States address inequalities, improve Human papillomavirus infection screening and vaccination, and support cancer survivors. This is anticipated to increase

the diagnosis and genetic testing of cancer in the European nations for the early detection of cancers, thereby expected to drive the growth of this market.
-Furthermore, product launches, collaborations, and agreements relating to the genetic testing field are anticipated to boost market growth in Europe over the forecast period. For instance, in February 2022, Microbiome DX company Genetic Analysis AS and Institut fur Medizinische Diagnostik, a part of the Medicover Group, launched the GA-map Dysbiosis Test in Germany. IMD was likely to activate its new Microbiome laboratory in February 2022 and add standardized microbiota testing to its existing test portfolio of products. This new Microbiota test offering is anticipated to be marketed to customers in Germany and Europe. Furthermore, in October 2021, Blueprint Genetics and BioMarin collaborated to launch a sponsored testing program for individuals with skeletal dysplasia in Europe. Hence, such collaborations and product launches are anticipated to boost the genetic testing market in Europe over the forecast period.
-Therefore, due to the increasing focus on early disease detection and prevention, increasing demand for personalized medicine, and increasing application of genetic testing in oncology, the genetic testing market in Europe is anticipated to witness growth over the forecast period. However, the high cost of genetic tests and social and ethical implications associated with genetic testing are the factors, that are expected to hinder the market growth.

Europe Genetic Testing Market Trends

The Diagnostic Testing Segment is Expected to Hold a Significant Share Over the Forecast Period

The diagnostics testing segment is expected to hold a significant share of the European genetic testing market owing to the factors such as the increasing emphasis on early disease detection and prevention and the rise in product launches in the European market for diagnostic genetic testing. The rise in the number of chronic diseases is also a major factor leading to market growth since early detection is likely to reduce the complications associated with the disease. For instance, according to the European Cancer Information System, the number of new cancer cases in Europe in 2035 is estimated to rise to 3.13 million. As per the same source, the new cancer cases are estimated to rise to 3.24 million by 2040. The rising incidence of cancer cases is anticipated to lead to increased diagnostic testing for cancers in Europe, thereby expected to drive this segment's growth.

Furthermore, the rising product launches for diagnostic testing are likely to lead to increased adoption of these products, thereby expected to drive the growth of this segment. For instance, in February 2021, in Europe, Becton, Dickinson, and Company introduced a new COVID-19 blood test that can assist hospitals in identifying arriving patients who are more likely to require intensive care with a ventilator and are at a higher risk of dying from the disease.

Similarly, in April 2022, Illumina Inc., a company in DNA sequencing and array-based technologies, entered into an agreement with Germany's Hannover Medical School (Medizinische Hochschule Hannover (MHH)) to implement the use of whole-genome sequencing (WGS) in critically ill children suspected of having a genetic or rare disease. The project, led by the Department of Human Genetics at MHH, is likely to evaluate the use of WGS in neonatal and pediatric intensive care unit settings to show the positive impact of earlier diagnosis and treatment for hospitalized children. Hence, the rise in product launches associated with diagnostic testing is likely to boost segment growth over the forecast period.

Hence, due to the increasing focus on early disease detection and prevention, the rise in diagnostic testing product launches, and the increase in chronic diseases that require early diagnosis, the diagnostic testing segment is anticipated to witness growth in the Europe genetic testing market over the forecast period.

United Kingdom is Likely to Witness a Significant Growth in the Market Over the Forecast Period

The United Kingdom is anticipated to witness growth in the Europe genetic testing market owing to the factors such as increasing

emphasis on early disease detection and prevention, increasing demand for personalized medicine, and increasing application of genetic testing in oncology. For instance, according to the study published by the University of Manchester in November 2021, whole genome sequencing (WGS) demonstrated to find new diagnoses for persons with the greatest spectrum of rare diseases explored to date, which might have enormous implications for the National Health Service.

Furthermore, the rising benefits of genetic testing for the discovery of rare diseases are likely to lead to the rise in the adoption of genetic testing in this region, thereby expected to drive the growth of this market in the United Kingdom. For instance, in March 2022, the first UK pilot study of newborn screening for spinal muscular atrophy (SMA) was launched in Oxford. Screening is likely to be done through the routine United Kingdom's newborn blood spot screening pathway, using spare capacity from a newborn Guthrie card (dried blood spot sample).

The presence of prominent market players operational in the United Kingdom genetic testing and favorable regulatory scenarios prove advantageous for the market expansion. For instance, in September 2022, the Medicines and Healthcare products Regulatory Agency-registered Orthotype tests from ExplantLab were launched at the Artificial Intelligence in Orthopaedics conference at the Royal College of Surgeons. These new genetic tests are poised to help the United Kingdom to meet its goal of becoming a 'science superpower' by 2030. Orthotype tests identify genetic markers in saliva or blood samples for specific variations of human leukocyte antigen (HLA) genes, which regulate immune responses. Hence, such product launches and collaborations are likely to raise product availability, thereby boosting market growth over the forecast period.

Furthermore, the rise in the number of chronic diseases is also a major factor leading to market growth since early detection is likely to reduce the complications associated with the disease. For instance, according to Macmillan Cancer Support 2022, the number of new cancer cases in the United Kingdom in 2025 is estimated to be 3.5 million. As per the same source, the new cancer cases are estimated to rise to 5.3 million by 2040. The rising incidence of cancer cases is anticipated to lead to increased genetic testing for cancers in the United Kingdom, thereby expected to drive market growth.

Therefore, rising initiatives on genetic testing, the increase in chronic diseases that require early diagnosis, and the rising benefits of genetic testing in rare diseases are likely to lead to increased adoption of genetic testing in the United Kingdom.

Europe Genetic Testing Industry Overview

The European Genetic Testing Market is moderately competitive and consists of several major players. Factors such as technological advancements and product innovations, mid-size to smaller companies are increasing their market presence by introducing new products with fewer prices are expected to drive the market growth. The major players operating in this market include Illumina Inc., Abbott Laboratories, Qiagen, Eurofins Scientific, F. Hoffmann-La Roche Ltd, and 23andMe Inc., among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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