

# **Hereditary Testing Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Disease Type (Hereditary Cancer Testing, Hereditary Non-cancer Testing), By Technology (Cytogenetic, Biochemical, Molecular Testing), By Region and Competition, 2020-2030F**

<https://marketpublishers.com/r/HC54DD6F84DFEN.html>

Date: May 2025

Pages: 182

Price: US\$ 4,500.00 (Single User License)

ID: HC54DD6F84DFEN

## **Abstracts**

### **Market Overview**

The Global Hereditary Testing Market was valued at USD 6.54 billion in 2024 and is projected to reach USD 10.26 billion by 2030, growing at a CAGR of 7.79% during the forecast period. Hereditary testing has significantly transformed modern healthcare by enabling the detection, diagnosis, and prevention of numerous inherited conditions. Also known as genetic or DNA testing, this process involves examining an individual's DNA to identify mutations linked to hereditary diseases. Applications range from diagnosing conditions like cystic fibrosis and certain cancers to informing family planning and tailoring drug therapies based on individual genetic profiles. The surge in awareness around genetic health, supported by rapid advancements in genomics and biotechnology, is driving widespread adoption. In addition to clinical utility, many consumers are leveraging hereditary testing to explore ancestry and understand genetic heritage, contributing to broader market expansion.

### **Key Market Drivers**

Increasing Prevalence of Genetic Disorders is Driving Global Hereditary Testing Market

The rising incidence of genetic disorders is a primary force behind the growth of the

hereditary testing market. As the global population ages, the likelihood of developing hereditary conditions increases, prompting a need for early detection and proactive healthcare. Enhanced research and discovery of genetic markers are broadening the spectrum of diseases for which testing is recommended. Prospective parents are increasingly turning to carrier screening to identify potential hereditary risks to their children, fostering informed reproductive choices. Additionally, genetic testing is gaining traction in assessing susceptibility to hereditary cancers such as breast and colon cancer, enabling timely preventive actions and regular screenings. The expanding understanding of genetics and heightened public awareness are fueling demand for these tests, positioning hereditary testing as a cornerstone of modern personalized medicine.

## Key Market Challenges

### Ethical and Privacy Concerns

One of the major challenges in the hereditary testing market is the ethical and privacy concerns surrounding genetic data. Individuals are often wary of how their sensitive genetic information is collected, stored, and shared. Risks such as data breaches, unauthorized access, and potential discrimination by employers or insurers create apprehension among users. This has led to increasing calls for stricter data protection laws and transparent policies that ensure confidentiality and responsible usage of genetic information. Addressing these concerns is essential for maintaining public trust and encouraging broader adoption of hereditary testing services.

## Key Market Trends

### Technological Advancements

The hereditary testing market is being rapidly transformed by technological innovations that are enhancing the speed, affordability, and scope of genetic analysis. One of the most impactful advancements is the widespread adoption of Next-Generation Sequencing (NGS), which allows for efficient and cost-effective sequencing of entire genomes or specific gene panels. This has significantly expanded testing capabilities, making it possible to detect rare mutations and gain deeper insights into genetic predispositions. Additionally, the integration of big data analytics and advanced bioinformatics has revolutionized the interpretation of complex genetic data. These tools enable healthcare providers to identify meaningful patterns and correlations, improving diagnostic accuracy and enabling more precise treatment plans. As these technologies

evolve, they are expected to drive further innovation and accessibility in the hereditary testing landscape.

### Key Market Players

Myriad Genetics, Inc.

Illumina, Inc.

Natera, Inc.

Laboratory Corporation of America Holdings

F. Hoffmann-La Roche Ltd.

Quest Diagnostics Incorporated

COOPERSURGICAL, INC.

Agilent Technologies, Inc.

ThermoFisher Scientific, Inc.

SOPHiA GENETICS

### Report Scope:

In this report, the Global Hereditary Testing Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Hereditary Testing Market, By Disease Type:

Hereditary Cancer Testing

Hereditary Non-cancer Testing

Hereditary Testing Market, By Technology:

Cytogenetic

Biochemical

Molecular Testing

Hereditary Testing Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Hereditary Testing Market.

Available Customizations:

Global Hereditary Testing market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### 1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### 2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### 3. EXECUTIVE SUMMARY

### 4. VOICE OF CUSTOMER

### 5. GLOBAL HEREDITARY TESTING MARKET OUTLOOK

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Disease Type (Hereditary Cancer Testing, Hereditary Non-cancer Testing)
  - 5.2.2. By Technology (Cytogenetic, Biochemical, Molecular Testing)
  - 5.2.3. By Region
  - 5.2.4. By Company (2024)
- 5.3. Market Map

### 6. NORTH AMERICA HEREDITARY TESTING MARKET OUTLOOK

- 6.1. Market Size & Forecast
  - 6.1.1. By Value

## 6.2. Market Share & Forecast

### 6.2.1. By Disease Type

### 6.2.2. By Technology

### 6.2.3. By Country

## 6.3. North America: Country Analysis

### 6.3.1. United States Hereditary Testing Market Outlook

#### 6.3.1.1. Market Size & Forecast

##### 6.3.1.1.1. By Value

#### 6.3.1.2. Market Share & Forecast

##### 6.3.1.2.1. By Disease Type

##### 6.3.1.2.2. By Technology

### 6.3.2. Canada Hereditary Testing Market Outlook

#### 6.3.2.1. Market Size & Forecast

##### 6.3.2.1.1. By Value

#### 6.3.2.2. Market Share & Forecast

##### 6.3.2.2.1. By Disease Type

##### 6.3.2.2.2. By Technology

### 6.3.3. Mexico Hereditary Testing Market Outlook

#### 6.3.3.1. Market Size & Forecast

##### 6.3.3.1.1. By Value

#### 6.3.3.2. Market Share & Forecast

##### 6.3.3.2.1. By Disease Type

##### 6.3.3.2.2. By Technology

## 7. EUROPE HEREDITARY TESTING MARKET OUTLOOK

### 7.1. Market Size & Forecast

#### 7.1.1. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Disease Type

#### 7.2.2. By Technology

#### 7.2.3. By Country

### 7.3. Europe: Country Analysis

#### 7.3.1. Germany Hereditary Testing Market Outlook

##### 7.3.1.1. Market Size & Forecast

###### 7.3.1.1.1. By Value

##### 7.3.1.2. Market Share & Forecast

###### 7.3.1.2.1. By Disease Type

###### 7.3.1.2.2. By Technology

### 7.3.2. United Kingdom Hereditary Testing Market Outlook

#### 7.3.2.1. Market Size & Forecast

##### 7.3.2.1.1. By Value

#### 7.3.2.2. Market Share & Forecast

##### 7.3.2.2.1. By Disease Type

##### 7.3.2.2.2. By Technology

### 7.3.3. Italy Hereditary Testing Market Outlook

#### 7.3.3.1. Market Size & Forecast

##### 7.3.3.1.1. By Value

#### 7.3.3.2. Market Share & Forecast

##### 7.3.3.2.1. By Disease Type

##### 7.3.3.2.2. By Technology

### 7.3.4. France Hereditary Testing Market Outlook

#### 7.3.4.1. Market Size & Forecast

##### 7.3.4.1.1. By Value

#### 7.3.4.2. Market Share & Forecast

##### 7.3.4.2.1. By Disease Type

##### 7.3.4.2.2. By Technology

### 7.3.5. Spain Hereditary Testing Market Outlook

#### 7.3.5.1. Market Size & Forecast

##### 7.3.5.1.1. By Value

#### 7.3.5.2. Market Share & Forecast

##### 7.3.5.2.1. By Disease Type

##### 7.3.5.2.2. By Technology

## 8. ASIA-PACIFIC HEREDITARY TESTING MARKET OUTLOOK

### 8.1. Market Size & Forecast

#### 8.1.1. By Value

### 8.2. Market Share & Forecast

#### 8.2.1. By Disease Type

#### 8.2.2. By Technology

#### 8.2.3. By Country

### 8.3. Asia-Pacific: Country Analysis

#### 8.3.1. China Hereditary Testing Market Outlook

##### 8.3.1.1. Market Size & Forecast

##### 8.3.1.1.1. By Value

##### 8.3.1.2. Market Share & Forecast

##### 8.3.1.2.1. By Disease Type



- 8.3.1.2.2. By Technology
- 8.3.2. India Hereditary Testing Market Outlook
  - 8.3.2.1. Market Size & Forecast
    - 8.3.2.1.1. By Value
  - 8.3.2.2. Market Share & Forecast
    - 8.3.2.2.1. By Disease Type
    - 8.3.2.2.2. By Technology
- 8.3.3. Japan Hereditary Testing Market Outlook
  - 8.3.3.1. Market Size & Forecast
    - 8.3.3.1.1. By Value
  - 8.3.3.2. Market Share & Forecast
    - 8.3.3.2.1. By Disease Type
    - 8.3.3.2.2. By Technology
- 8.3.4. South Korea Hereditary Testing Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Disease Type
    - 8.3.4.2.2. By Technology
- 8.3.5. Australia Hereditary Testing Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Disease Type
    - 8.3.5.2.2. By Technology

## **9. SOUTH AMERICA HEREDITARY TESTING MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Disease Type
  - 9.2.2. By Technology
  - 9.2.3. By Country
- 9.3. South America: Country Analysis
  - 9.3.1. Brazil Hereditary Testing Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast

- 9.3.1.2.1. By Disease Type
- 9.3.1.2.2. By Technology
- 9.3.2. Argentina Hereditary Testing Market Outlook
  - 9.3.2.1. Market Size & Forecast
    - 9.3.2.1.1. By Value
  - 9.3.2.2. Market Share & Forecast
    - 9.3.2.2.1. By Disease Type
    - 9.3.2.2.2. By Technology
- 9.3.3. Colombia Hereditary Testing Market Outlook
  - 9.3.3.1. Market Size & Forecast
    - 9.3.3.1.1. By Value
  - 9.3.3.2. Market Share & Forecast
    - 9.3.3.2.1. By Disease Type
    - 9.3.3.2.2. By Technology

## **10. MIDDLE EAST AND AFRICA HEREDITARY TESTING MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Disease Type
  - 10.2.2. By Technology
  - 10.2.3. By Country
- 10.3. MEA: Country Analysis
  - 10.3.1. South Africa Hereditary Testing Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Disease Type
      - 10.3.1.2.2. By Technology
  - 10.3.2. Saudi Arabia Hereditary Testing Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Disease Type
      - 10.3.2.2.2. By Technology
  - 10.3.3. UAE Hereditary Testing Market Outlook
    - 10.3.3.1. Market Size & Forecast
      - 10.3.3.1.1. By Value

#### 10.3.3.2. Market Share & Forecast

##### 10.3.3.2.1. By Disease Type

##### 10.3.3.2.2. By Technology

## 11. MARKET DYNAMICS

### 11.1. Drivers

### 11.2. Challenges

## 12. MARKET TRENDS & DEVELOPMENTS

### 12.1. Merger & Acquisition

### 12.2. Product Development

### 12.3. Recent Developments

## 13. GLOBAL HEREDITARY TESTING MARKET: SWOT ANALYSIS

## 14. COMPETITIVE LANDSCAPE

### 14.1. Myriad Genetics, Inc.

#### 14.1.1. Business Overview

#### 14.1.2. Company Snapshot

#### 14.1.3. Products & Services

#### 14.1.4. Financials (As Reported)

#### 14.1.5. Recent Developments

#### 14.1.6. Key Personnel Details

#### 14.1.7. SWOT Analysis

### 14.2. Illumina, Inc.

### 14.3. Natera, Inc.

### 14.4. Laboratory Corporation of America Holdings

### 14.5. F. Hoffmann-La Roche Ltd.

### 14.6. Quest Diagnostics Incorporated

### 14.7. COOPERSURGICAL, INC.

### 14.8. Agilent Technologies, Inc.

### 14.9. Thermo Fisher Scientific, Inc.

### 14.10. SOPHiA GENETICS

## 15. STRATEGIC RECOMMENDATIONS

## 16. ABOUT US & DISCLAIMER

## I would like to order

Product name: Hereditary Testing Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Disease Type (Hereditary Cancer Testing, Hereditary Non-cancer Testing), By Technology (Cytogenetic, Biochemical, Molecular Testing), By Region and Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/HC54DD6F84DFEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HC54DD6F84DFEN.html>