+357 96 030922
info@marketpublishers.com

Genetic Testing Market Size, Share & Trends Analysis Report By Technology (NGS, PCR-based Testing, Array Technology), By Application, By Product, By Channel (Online, Offline), By End-use, By Region, And Segment Forecasts, 2025 - 2030

https://marketpublishers.com/r/G5D539C68C20EN.html
Date: November 2024
Pages: 120
Price: US$ 5,950.00 (Single User License)
ID: G5D539C68C20EN

Abstracts

This report can be delivered to the clients within 3 Business Days

Genetic Testing Market Growth & Trends

The global genetic testing market size is anticipated treach USD 39.25 billion by 2030, according ta new report by Grand View Research, Inc. The market is projected tgrow at a CAGR of 22.5% from 2025 t2030. The growth of the genetic testing industry is majorly attributed tthe rising prevalence of genetic conditions, increasing investments in R&D, and initiatives by prominent market players. Moreover, increasing emphasis on personalized medicines is alslikely thave a positive impact on the direct-to-consumer genetic testing industry.

Furthermore, government authorities are focusing on implementing national programs tencourage and consolidate genetic research. The primary goal of these national genetic research programs is tincrease their investments in the compilation of data with an aim tdevelop personalized treatment plans and medicines, suitable for diverse ethnicities equally. Tachieve this goal, awareness and acceptance of genetic testing is expected tplay a crucial role.

Genetic testing has major applications in the diagnosis and monitoring of chronic illnesses such as cancers. Owing tincreasing incidences of various forms of cancers, and a relatively higher rate of remission provided by the use of testing methodologies, it

+357 96 030922
info@marketpublishers.com

is expected that this segment with grow at the fastest growth rate in the personalized diagnostics segment throughout the forecast period. In addition, companies are collaborating tintegrate advanced informatics tools for efficient diagnosis of cancer which is further contributing tthe segment growth.

For instance, in February 2021, Tempus entered in a collaboration with Precision Health Informatics for accelerating the advancement of Precision Medicine (PM) in oncology. Precision Health Informatics leveraged Tempus' genomic sequencing capabilities and AI-enabled platform tcreate an efficient personalized patient care and clinical research program.

Along with that, governments of various emerging countries are taking initiatives testablish an infrastructure for conducting testing. For instance, in 2021, Moh. Bin Rashid University of Medicine and Health Sciences and A.J. Children's Specialty Hospital (AJCH) collaborated testablish a new & unique scientific and medical interdisciplinary environment through the Al Jalila Genomics Center. Furthermore, the development of the Center for Genomic Discovery as part of the comprehensive academic health system will allow for advancements in genomics and gene discovery.

Genomic data can be used for a variety of purposes, including PM, diagnosis, and toxicogenomics. However, the analysis of massive amounts of data produced in studies is a significant challenge. In some instances, technical improvements have made it possible for the equipment tbe used tgive an assessment. Although, the process still relies heavily on the perception of the professional in-charge. Hence, the need for skilled professionals is likely thamper the growth of the market in developing countries.

Genetic Testing Market Report Highlights

By technology, Next-generation sequencing is a relatively more mature segment and held the largest genetic testing industry share in 2024, Owing tthe increasing number of pharmaceutical and biotechnology companies establishing in-house research stations for developing a personalized treatment for cancers

By application, the genetic ancestry screening segment captured the majority of the market share in 2024, owing tthe increasing genetic disorders in emerging markets

By product,consumables are expected tcapture the

+357 96 030922
info@marketpublishers.com

largest share of the market in 2024, owing tthe increasing investment by governments and international bodies tadopt a technologically advanced workflow of clinical diagnostics

By channel,online is expected twitness the fastest growth during the forecast period, owing tthe increasing use of smartphone applications, such as ShareDNA, that offer relevant information about test results and interpretation

By end-user, diagnostic laboratories are anticipated tbe the fastest-growing segment. This growth can be attributed tthe increasing collaborations and strategic partnerships between corporations and laboratories tdevelop personalized therapeutic formations

North America has a dominant regional position in the genetic testing industry with 45.38% share of the overall market. The increasing incidence of diseases, such as chronic and infectious diseases, is encouraging companies tenter the regional ELISA analyzers market

+357 96 030922
info@marketpublishers.com

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

1.1. Market Segmentation & Scope
1.2. Segment Definitions
  1.2.1. Technology
  1.2.2. Application
  1.2.3. Product
  1.2.4. Channel
  1.2.5. End Use
  1.2.6. Regional scope
  1.2.7. Estimates and forecasts timeline
1.3. Research Methodology
1.4. Information Procurement
  1.4.1. Purchased database
  1.4.2. GVR's internal database
  1.4.3. Secondary sources
  1.4.4. Primary research
  1.4.5. Details of primary research
    1.4.5.1. Data for primary interviews in North America
    1.4.5.2. Data for primary interviews in Europe
    1.4.5.3. Data for primary interviews in Asia Pacific
    1.4.5.4. Data for primary interviews in Latin America
    1.4.5.5. Data for Primary interviews in MEA
1.5. Information or Data Analysis
  1.5.1. Data analysis models
1.6. Market Formulation & Validation
1.7. Model Details
  1.7.1. Commodity flow analysis (Model 1)
  1.7.2. Approach 1: Commodity flow approach
  1.7.3. Volume price analysis (Model 2)
  1.7.4. Approach 2: Volume price analysis
1.8. List of Secondary Sources
1.9. List of Primary Sources
1.10. Objectives

CHAPTER 2. EXECUTIVE SUMMARY

+357 96 030922
info@marketpublishers.com

2.1. Market Outlook
2.2. Segment Outlook
  2.2.1. Technology outlook
  2.2.2. Application outlook
  2.2.3. Product outlook
  2.2.4. Channel outlook
  2.2.5. End Use outlook
  2.2.6. Regional outlook
2.3. Competitive Insights

CHAPTER 3. GENETIC TESTING MARKET VARIABLES, TRENDS & SCOPE

3.1. Market Lineage Outlook
  3.1.1. Parent market outlook
  3.1.2. Related/ancillary market outlook
3.2. Market Dynamics
  3.2.1. Market driver analysis
    3.2.1.1. Technological Advancements in Diagnostic Testing
    3.2.1.2. Growing Burden of Chronic and Infection Diseases
    3.2.1.3. Rising Awareness and Demand for Personalized Medicine
  3.2.2. Market restraint analysis
    3.2.2.1. Required Skilled Labors
3.3. Genetic Testing Market Analysis Tools
  3.3.1. Industry Analysis – Porter’s
    3.3.1.1. Supplier power
    3.3.1.2. Buyer power
    3.3.1.3. Substitution threat
    3.3.1.4. Threat of new entrant
    3.3.1.5. Competitive rivalry
  3.3.2. PESTEL Analysis
    3.3.2.1. Political landscape
    3.3.2.2. Technological landscape
    3.3.2.3. Economic landscape

CHAPTER 4. GENETIC TESTING MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS

4.1. Technology Market Share, 2024 & 2030
4.2. Segment Dashboard

+357 96 030922
info@marketpublishers.com

4.3. Global Genetic Testing Market by Technology Outlook
4.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following
4.4.1. Next-Generation Sequencing
4.4.1.1. Market estimates and forecasts, 2018 to 2030 (USD million)
4.4.2. Array Technology
4.4.2.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
4.4.3. PCR - Based Testing
4.4.3.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
4.4.4. FISH
4.4.4.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
4.4.5. Others
4.4.5.1. Market estimates and forecasts, 2018 to 2030 (USD Million)

CHAPTER 5. GENETIC TESTING MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

5.1. Application Market Share, 2024 & 2030
5.2. Segment Dashboard
5.3. Global Genetic Testing Market by Application Outlook
5.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following
5.4.1. Ancestry & Ethnicity
5.4.1.1. Market estimates and forecasts, 2018 to 2030 (USD million)
5.4.2. Traits Screening
5.4.2.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
5.4.3. Genetic Disease Carrier Status
5.4.3.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
5.4.4. New Baby Screening
5.4.4.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
5.4.5. Health and Wellness - Predisposition/ Risk/tendency
5.4.5.1. Market estimates and forecasts, 2018 to 2030 (USD Million)

CHAPTER 6. GENETIC TESTING MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

6.1. Product Market Share, 2024 & 2030
6.2. Segment Dashboard
6.3. Global Genetic Testing Market by Product Outlook
6.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following
6.4.1. Consumables

+357 96 030922
info@marketpublishers.com

6.4.1.1. Market estimates and forecasts, 2018 to 2030 (USD million)
6.4.2. Equipment
6.4.2.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
6.4.3. Software & Services
6.4.3.1. Market estimates and forecasts, 2018 to 2030 (USD Million)

CHAPTER 7. GENETIC TESTING MARKET: CHANNEL ESTIMATES & TREND ANALYSIS

7.1. Channel Market Share, 2024 & 2030
7.2. Segment Dashboard
7.3. Global Genetic Testing Market by Channel Outlook
7.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following
7.4.1. Online
7.4.1.1. Market estimates and forecasts, 2018 to 2030 (USD million)
7.4.2. Offline
7.4.2.1. Market estimates and forecasts, 2018 to 2030 (USD Million)

CHAPTER 8. GENETIC TESTING MARKET: END USE ESTIMATES & TREND ANALYSIS

8.1. End Use Market Share, 2024 & 2030
8.2. Segment Dashboard
8.3. Global Genetic Testing Market by End Use Outlook
8.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the following
8.4.1. Hospitals & Clinics
8.4.1.1. Market estimates and forecasts, 2018 to 2030 (USD million)
8.4.2. Diagnostic Laboratories
8.4.2.1. Market estimates and forecasts, 2018 to 2030 (USD Million)
8.4.3. Others
8.4.3.1. Market estimates and forecasts, 2018 to 2030 (USD Million)

CHAPTER 9. GENETIC TESTING MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

9.1. Regional Market Share Analysis, 2024 & 2030
9.2. Regional Market Dashboard
9.3. Global Regional Market Snapshot
9.4. Market Size & Forecasts Trend Analysis, 2018 to 2030:

+357 96 030922
info@marketpublishers.com

9.5. North America
9.5.1. U.S.
9.5.1.1. Key country dynamics
9.5.1.2. Regulatory framework/ reimbursement structure
9.5.1.3. Competitive scenario
9.5.1.4. U.S. market estimates and forecasts, 2018 to 2030 (USD Million)
9.5.2. Canada
9.5.2.1. Key country dynamics
9.5.2.2. Regulatory framework/ reimbursement structure
9.5.2.3. Competitive scenario
9.5.2.4. Canada market estimates and forecasts, 2018 to 2030 (USD Million)
9.5.3. Mexico
9.5.3.1. Key country dynamics
9.5.3.2. Regulatory framework/ reimbursement structure
9.5.3.3. Competitive scenario
9.5.3.4. Mexico market estimates and forecasts, 2018 to 2030 (USD Million
9.6. Europe
9.6.1. UK
9.6.1.1. Key country dynamics
9.6.1.2. Regulatory framework/ reimbursement structure
9.6.1.3. Competitive scenario
9.6.1.4. UK market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.2. Germany
9.6.2.1. Key country dynamics
9.6.2.2. Regulatory framework/ reimbursement structure
9.6.2.3. Competitive scenario
9.6.2.4. Germany market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.3. France
9.6.3.1. Key country dynamics
9.6.3.2. Regulatory framework/ reimbursement structure
9.6.3.3. Competitive scenario
9.6.3.4. France market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.4. Italy
9.6.4.1. Key country dynamics
9.6.4.2. Regulatory framework/ reimbursement structure
9.6.4.3. Competitive scenario
9.6.4.4. Italy market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.5. Spain
9.6.5.1. Key country dynamics

+357 96 030922
info@marketpublishers.com

9.6.5.2. Regulatory framework/ reimbursement structure
9.6.5.3. Competitive scenario
9.6.5.4. Spain market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.6. Norway
9.6.6.1. Key country dynamics
9.6.6.2. Regulatory framework/ reimbursement structure
9.6.6.3. Competitive scenario
9.6.6.4. Norway market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.7. Sweden
9.6.7.1. Key country dynamics
9.6.7.2. Regulatory framework/ reimbursement structure
9.6.7.3. Competitive scenario
9.6.7.4. Sweden market estimates and forecasts, 2018 to 2030 (USD Million)
9.6.8. Denmark
9.6.8.1. Key country dynamics
9.6.8.2. Regulatory framework/ reimbursement structure
9.6.8.3. Competitive scenario
9.6.8.4. Denmark market estimates and forecasts, 2018 to 2030 (USD Million)
9.7. Asia Pacific
9.7.1. Japan
9.7.1.1. Key country dynamics
9.7.1.2. Regulatory framework/ reimbursement structure
9.7.1.3. Competitive scenario
9.7.1.4. Japan market estimates and forecasts, 2018 to 2030 (USD Million)
9.7.2. China
9.7.2.1. Key country dynamics
9.7.2.2. Regulatory framework/ reimbursement structure
9.7.2.3. Competitive scenario
9.7.2.4. China market estimates and forecasts, 2018 to 2030 (USD Million)
9.7.3. India
9.7.3.1. Key country dynamics
9.7.3.2. Regulatory framework/ reimbursement structure
9.7.3.3. Competitive scenario
9.7.3.4. India market estimates and forecasts, 2018 to 2030 (USD Million)
9.7.4. Australia
9.7.4.1. Key country dynamics
9.7.4.2. Regulatory framework/ reimbursement structure
9.7.4.3. Competitive scenario
9.7.4.4. Australia market estimates and forecasts, 2018 to 2030 (USD Million)

+357 96 030922
info@marketpublishers.com

9.7.5. South Korea
9.7.5.1. Key country dynamics
9.7.5.2. Regulatory framework/ reimbursement structure
9.7.5.3. Competitive scenario
9.7.5.4. South Korea market estimates and forecasts, 2018 to 2030 (USD Million)
9.7.6. Thailand
9.7.6.1. Key country dynamics
9.7.6.2. Regulatory framework/ reimbursement structure
9.7.6.3. Competitive scenario
9.7.6.4. Thailand market estimates and forecasts, 2018 to 2030 (USD Million)
9.8. Latin America
9.8.1. Brazil
9.8.1.1. Key country dynamics
9.8.1.2. Regulatory framework/ reimbursement structure
9.8.1.3. Competitive scenario
9.8.1.4. Brazil market estimates and forecasts, 2018 to 2030 (USD Million)
9.8.2. Argentina
9.8.2.1. Key country dynamics
9.8.2.2. Regulatory framework/ reimbursement structure
9.8.2.3. Competitive scenario
9.8.2.4. Argentina market estimates and forecasts, 2018 to 2030 (USD Million)
9.9. MEA
9.9.1. South Africa
9.9.1.1. Key country dynamics
9.9.1.2. Regulatory framework/ reimbursement structure
9.9.1.3. Competitive scenario
9.9.1.4. South Africa market estimates and forecasts, 2018 to 2030 (USD Million)
9.9.2. Saudi Arabia
9.9.2.1. Key country dynamics
9.9.2.2. Regulatory framework/ reimbursement structure
9.9.2.3. Competitive scenario
9.9.2.4. Saudi Arabia market estimates and forecasts, 2018 to 2030 (USD Million)
9.9.3. UAE
9.9.3.1. Key country dynamics
9.9.3.2. Regulatory framework/ reimbursement structure
9.9.3.3. Competitive scenario
9.9.3.4. UAE market estimates and forecasts, 2018 to 2030 (USD Million)
9.9.4. Kuwait
9.9.4.1. Key country dynamics

+357 96 030922
info@marketpublishers.com

9.9.4.2. Regulatory framework/ reimbursement structure
9.9.4.3. Competitive scenario
9.9.4.4. Kuwait market estimates and forecasts, 2018 to 2030 (USD Million)

CHAPTER 10. COMPETITIVE LANDSCAPE

10.1. Recent Developments & Impact Analysis, By Key Market Participants
10.2. Company/Competition Categorization
10.3. Vendor Landscape
10.3.1. List of key distributors and channel partners
10.3.2. Key customers
10.3.3. Key company market share analysis, 2024
10.3.4. 24 genetics
10.3.4.1. Company overview
10.3.4.2. Financial performance
10.3.4.3. Product benchmarking
10.3.4.4. Strategic initiatives
10.3.5. Circle DNA
10.3.5.1. Company overview
10.3.5.2. Financial performance
10.3.5.3. Product benchmarking
10.3.5.4. Strategic initiatives
10.3.6. TellmeGen
10.3.6.1. Company overview
10.3.6.2. Financial performance
10.3.6.3. Product benchmarking
10.3.6.4. Strategic initiatives
10.3.7. 23andme
10.3.7.1. Company overview
10.3.7.2. Financial performance
10.3.7.3. Product benchmarking
10.3.7.4. Strategic initiatives
10.3.8. AncestryDNA
10.3.8.1. Company overview
10.3.8.2. Financial performance
10.3.8.3. Product benchmarking
10.3.8.4. Strategic initiatives
10.3.9. MyDNA
10.3.9.1. Company overview

+357 96 030922
info@marketpublishers.com

10.3.9.2. Financial performance
10.3.9.3. Product benchmarking
10.3.9.4. Strategic initiatives
10.3.10. Igenomix
10.3.10.1. Company overview
10.3.10.2. Financial performance
10.3.10.3. Product benchmarking
10.3.10.4. Strategic initiatives
10.3.11. Myriad Genetics, Inc
10.3.11.1. Company overview
10.3.11.2. Financial performance
10.3.11.3. Product benchmarking
10.3.11.4. Strategic initiatives
10.3.12. Illumina, Inc.
10.3.12.1. Company overview
10.3.12.2. Financial performance
10.3.12.3. Product benchmarking
10.3.12.4. Strategic initiatives
10.3.13. MyHeritage Ltd.
10.3.13.1. Company overview
10.3.13.2. Financial performance
10.3.13.3. Product benchmarking
10.3.13.4. Strategic initiatives

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Genetic Testing Market Size, Share & Trends Analysis Report By Technology (NGS, PCR-based Testing, Array Technology), By Application, By Product, By Channel (Online, Offline), By End-use, By Region, And Segment Forecasts, 2025 - 2030

Product link: https://marketpublishers.com/r/G5D539C68C20EN.html

Price: US$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G5D539C68C20EN.html