

# **Gene Panel Market Size, Trends, Analysis, and Outlook By Products and Services (Test kits, Testing services), By Technique (Amplicon based approach, Hybridization based approach), By Design (Predesigned, Customized), by Country, Segment, and Companies, 2024-2032**

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## **Abstracts**

The global Gene Panel market size is poised to register 17.2% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Gene Panel market across By Products and Services (Test kits, Testing services), By Technique (Amplicon based approach, Hybridization based approach), By Design (Predesigned, Customized)

The gene panel market is driven by the increasing demand for multiplex genetic testing and personalized medicine applications, advancements in next-generation sequencing (NGS) and microarray technologies, and the growing understanding of genetic factors in disease susceptibility and treatment response. By 2030, the market is poised to witness steady growth, driven by innovations in custom gene panels, targeted sequencing assays, and bioinformatics analysis pipelines. Further, expanding applications in hereditary cancer testing, pharmacogenomics, and rare disease diagnosis are expected to drive market expansion, enabling clinical laboratories, genetic counselors, and healthcare providers to assess genetic risk, guide treatment decisions, and improve patient outcomes through gene panel testing that offer comprehensive genetic profiling, variant detection, and clinical interpretation for precision medicine and personalized healthcare delivery in medical genetics and genomic medicine practice.

Gene Panel Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Gene Panel market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Gene Panel survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Gene Panel industry.

### Key market trends defining the global Gene Panel demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Gene Panel Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Gene Panel industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Gene Panel companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

### Key strategies adopted by companies within the Gene Panel industry

Leading Gene Panel companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Gene Panel companies.

### Gene Panel Market Study- Strategic Analysis Review

The Gene Panel market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

## Gene Panel Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Gene Panel industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2032 in three case scenarios- low case, reference case, and high case scenarios.

## Gene Panel Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2032.

## North America Gene Panel Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Gene Panel market segments. Similarly, Strong market demand is encouraging Canadian Gene Panel companies to invest in niche segments. Further, as Mexico continues to

strengthen its relations and invest in technological advancements, the Mexico Gene Panel market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Gene Panel Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Gene Panel industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of vendors in identifying and leveraging new growth prospects positions the European Gene Panel market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Gene Panel Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Gene Panel in Asia Pacific. In particular, China, India, and South East Asian Gene Panel markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major countries in the APAC region.

Latin America Gene Panel Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Gene Panel Market Size Outlook- continues its upward trajectory

across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Gene Panel market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Gene Panel.

### Gene Panel Market Company Profiles

The global Gene Panel market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Agilent Technologies Inc, Bio-Rad Laboratories Inc, Cepheid Inc, Eurofins Genomics LLC, Foundation Medicine Inc, Guardant Health Inc, Illumina Inc, Myriad Genetics Inc, Personalis Inc, QIAGEN N.V., Thermo Fisher Scientific Inc.

### Recent Gene Panel Market Developments

The global Gene Panel market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

### Gene Panel Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Products and Services

Test kits

Testing services

By Technique

Amplicon based approach

Hybridization based approach

By Design

Predesigned

Customized

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Agilent Technologies Inc

Bio-Rad Laboratories Inc

Cepheid Inc

Eurofins Genomics LLC

Foundation Medicine Inc

Guardant Health Inc

Illumina Inc

Myriad Genetics Inc

Personalis Inc

QIAGEN N.V.

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

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Amplicon based approach

Hybridization based approach

By Design

Predesigned

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- Thermo Fisher Scientific Inc.

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