

# **Global Gene Panel Market Size study, By Product & Service (Test Kits, Testing Services), By Technique (Amplicon-based Approach, Hybridization-based Approach), By Design (Predesigned Gene Panel, Customized Gene Panel), By Application (Cancer Risk Assessment, Diagnosis of Congenital Diseases, Pharmacogenetics, Other Applications), By End User (Research and Academic Institutes, Hospital and Diagnostic Laboratories, Pharmaceutical and Biotechnology Companies), and Regional Forecasts 2022-2028**

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## **Abstracts**

Global Gene Panel Market is valued approximately USD 2.12 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 19.20% over the forecast period 2022-2028.

A gene panel is a type of test that is performed to analyze various forms of genes at once for cancer-related mutations. Gene panels present a middle ground among sequencing a single gene such as BRCA1 that is encompassed in disease risk and sequencing every gene in the genome. The rising prevalence of different types of cancer such as ovaries cancer, breast cancer, fallopian tubes, and incidences of other chronic diseases, an increasing number of company initiatives for the development of the gene panel, growing awareness regarding the availability and benefits of gene panels are the primary factors that are surging the market demand across the globe. For instance, as per International Agency for Research on Cancer, in 2018, there were

around 9.5 million cancer deaths occurred and 17.0 million new cancer cases globally. Also, the amount is projected to grow to 27.5 million new cancer cases and 16.3 million cancer deaths by 2040. However, issues associated with the security of genetic data and accuracy and standardization concerns in diagnostic testing impede the growth of the market over the forecast period of 2022-2028. Also, government initiatives in population sequencing and increasing opportunities in the emerging market are anticipated to act as a catalyzing factor for the market demand during the forecast period.

The key regions considered for the global Gene Panel market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing research on cancer and inherited rare diseases and the presence of leading NGS providers in the region. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as government support for genomics research, as well as high incidences of cancer and other chronic diseases, would create lucrative growth prospects for the Gene Panel market across the Asia-Pacific region.

Major market players included in this report are:

Illumina, Inc.

BGI Group

Agilent Technologies Inc.

Eurofins Scientific Inc.

QIAGEN Company

GENEWIZ, Inc.

Novogene Corporation

Thermo Fisher Scientific Inc.

F. Hoffmann-La Roche AG

Integrated DNA Technologies (IDT) Inc.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product & Service:

Test Kits

Testing Services

By Technique:

Amplicon-based Approach

Hybridization-based Approach

By Design:

Predesigned Gene Panel

Customized Gene Panel

By Application:

Cancer Risk Assessment

Diagnosis of Congenital Diseases

Pharmacogenetics

Other Applications

By End User:

Research and Academic Institutes

Hospital and Diagnostic Laboratories

Pharmaceutical and Biotechnology Companies

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Gene Panel Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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