

Gene Panel Market Size : A Global Analysis of the Market Trends

Market Overview

The Global [Gene Panel Market Size](#) is expected to reach USD 3.49 billion by 2032 at 13.72% CAGR during the forecast 2023-2032.

A gene panel test is a type of genetic testing that sequences the entire genome of a patient accused of carrying diseases based on genetic abnormalities or that are genetically inherited, such as cancer, cardiovascular disease, and many others. Pharmacogenetics, congenital disease detection, and cancer risk assessment are just a few of the uses for gene panels.

A gene panel is a useful diagnostic tool for detecting and predicting rare genetic changes that spread diseases like Lynch Syndrome (hereditary non-polyposis colorectal cancer), which puts patients at a higher risk than other cancers like stomach, ovarian, and colon cancer. Targeted gene panels can be used to look for specific gene mutations linked to a disease or a phenotypic attribute that is being studied or researched. Recent breakthroughs in gene sequencing have resulted in the development of user-specific gene panels.

Competitive Landscape

The most prominent major Gene Panel Market Players in the global market are mentioned below:

Agilent Technologies Inc. (U.S.), Thermo Fisher Scientific (U.S.), Hoffmann-La Roche Ltd (Switzerland), Qiagen (Germany), Illumina Inc. (U.S.), BGI Genomics (China), Integrated DNA Technologies, Inc. (U.S.), GENEWIZ (U.S.), Novogene Corporation (U.S.), Personalis, Inc. (U.S.), GATC Biotech AG (Germany), ArcherDX, Inc. (U.S.), GeneDX (Switzerland), CENTOGENE AG (Germany),

Market Segmentation

Design, Application, Technique, and Geography are the four Gene Panel Market Report Segments.

Techniques for obtaining market data include:

- Amplicon-Based Methodology
- Hybridization-Based Methodology

The market is divided into two types of techniques: The amplicon-Based Approach and the Hybridization-Based Approach. The hybridization-based approach had the biggest market share and was expected to increase at a CAGR of 22.22 percent over the projection period.

Global Gene Panel Market, By Design

- Predesigned Gene Panels
- Customized Gene Panels

The Global [Gene Panel Market](#) has been split into Predesigned Gene Panels and Customized Gene Panels based on design.



Global Gene Panel Market, By Application

- Pharmacogenetics

