

## **Genotyping Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028**

Market Report | 2023-10-15 | 144 pages | IMARC Group

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### **Report description:**

Market Overview:

The global genotyping market size reached US\$ 17.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 39.0 Billion by 2028, exhibiting a growth rate (CAGR) of 14.2% during 2023-2028.

Genotyping refers to an analytical procedure that examines DNA sequences to determine the genetic constitution in the genotypes of living organisms, including humans, plants, animals, and microorganisms. Genetic tests enable scientists to examine a variety of genetic deviations, such as changes in DNA structure and single nucleotide polymorphisms, by detecting genetic differences through biological assays. By using this information, the differences between individuals can be compared while providing data related to the genetic history of an individual. Genotyping of microorganisms, such as viruses and bacteria, on the other hand, helps prevent the spread of pathogens by pinpointing the source of viral and bacterial diseases.

Genotyping Market Trends:

The global market is majorly driven by the rising demand for genotypic-based diagnostic testing in healthcare facilities across the globe. This can be attributed to the increasing prevalence of chronic diseases, including cancer and genetic disorders. In addition to this, the rising adoption of bioinformatics solutions in data analysis and pharmacogenomics in the drug discovery and development processes is also providing an impetus to the market growth. The market is further driven by the substantial rise in investments in research and development (R&D) activities focusing on genomic drug development and precision medicine research. Apart from this, the escalating demand for reagents for the augmenting volumes of genotyping tests on the global level is creating a positive outlook for the market. Some of the other factors that are contributing to the growth of the market include the rising geriatric population that is susceptible to developing numerous medical conditions, continual technological advancements in genotyping products, the growing awareness regarding personalized medicines among the masses and a considerable expansion of healthcare expenditure.

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**Key Market Segmentation:**

IMARC Group provides an analysis of the key trends in each sub-segment of the global genotyping market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product and service, technology, application and end user.

**Breakup by Product and Service:**

- Instruments
- Reagents and Kits
- Software and Services

**Breakup by Technology:**

- Polymerase Chain Reaction (PCR)
- Capillary Electrophoresis
- Microarray
- Sequencing
- Mass Spectrometry
- Others

**Breakup by Application:**

- Pharmacogenomics
- Diagnostics and Personalized Medicine
- Agricultural Biotechnology
- Animal Genetics
- Others

**Breakup by End User:**

- Pharmaceutical and Biopharmaceutical Companies
- Diagnostics and Research Laboratories
- Academic Institutes
- Others

**Breakup by Region:**

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia

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Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Agilent Technologies Inc., Bio-Rad Laboratories Inc., Danaher Corporation, Eurofins Scientific SE, F. Hoffmann-La Roche AG, Illumina Inc., Laboratory Corporation of America Holdings, Qiagen N.V, Standard BioTools Inc. and Thermo Fisher Scientific Inc.

#### Key Questions Answered in This Report:

How has the global genotyping market performed so far and how will it perform in the coming years?  
What has been the impact of COVID-19 on the global genotyping market?  
What are the key regional markets?  
What is the breakup of the market based on the product and service?  
What is the breakup of the market based on the technology?  
What is the breakup of the market based on the application?  
What is the breakup of the market based on the end user?  
What are the various stages in the value chain of the industry?  
What are the key driving factors and challenges in the industry?  
What is the structure of the global genotyping market and who are the key players?  
What is the degree of competition in the industry?

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