

Genotyping Market Report by Product and Service (Instruments, Reagents and Kits, Software and Services), Technology (Polymerase Chain Reaction (PCR), Capillary Electrophoresis, Microarray, Sequencing, Mass Spectrometry, and Others), Application (Pharmacogenomics, Diagnostics and Personalized Medicine, Agricultural Biotechnology, Animal Genetics, and Others), End User (Pharmaceutical and Biopharmaceutical Companies, Diagnostics and Research Laboratories, Academic Institutes, and Others), and Region 2024-2032

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Abstracts

The global genotyping market size reached US\$ 19.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 57.4 Billion by 2032, exhibiting a growth rate (CAGR) of 12.5% during 2024-2032.

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.

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 2024-2032. 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

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?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL GENOTYPING MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT AND SERVICE

- 6.1 Instruments
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Reagents and Kits
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Software and Services

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

- 7.1 Polymerase Chain Reaction (PCR)
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Capillary Electrophoresis
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Microarray
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Sequencing
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Mass Spectrometry
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Pharmacogenomics
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Diagnostics and Personalized Medicine
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Agricultural Biotechnology
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Animal Genetics
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Others

8.5.1 Market Trends

8.5.2 Market Forecast

9 MARKET BREAKUP BY END USER

9.1 Pharmaceutical and Biopharmaceutical Companies

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Diagnostics and Research Laboratories

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Academic Institutes

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Others

9.4.1 Market Trends

9.4.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

- 10.2.4.2 Market Forecast
- 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
- 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
- 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
 - 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
 - 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast

10.4.3 Others

10.4.3.1 Market Trends

10.4.3.2 Market Forecast

10.5 Middle East and Africa

10.5.1 Market Trends

10.5.2 Market Breakup by Country

10.5.3 Market Forecast

11 SWOT ANALYSIS

11.1 Overview

11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 Agilent Technologies Inc.

15.3.1.1 Company Overview

15.3.1.2 Product Portfolio

15.3.1.3 Financials

15.3.1.4 SWOT Analysis

- 15.3.2 Bio-Rad Laboratories Inc.
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
 - 15.3.2.4 SWOT Analysis
- 15.3.3 Danaher Corporation
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
- 15.3.4 Eurofins Scientific SE
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
- 15.3.5 F. Hoffmann-La Roche AG
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
- 15.3.6 Illumina Inc.
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
 - 15.3.6.4 SWOT Analysis
- 15.3.7 Laboratory Corporation of America Holdings
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
- 15.3.8 Qiagen N.V.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
- 15.3.9 Standard BioTools Inc.
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
- 15.3.10 Thermo Fisher Scientific Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Genotyping Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Genotyping Market Forecast: Breakup by Product and Service (in Million US\$), 2024-2032

Table 3: Global: Genotyping Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 4: Global: Genotyping Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Genotyping Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 6: Global: Genotyping Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Genotyping Market: Competitive Structure

Table 8: Global: Genotyping Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Genotyping Market: Major Drivers and Challenges
- Figure 2: Global: Genotyping Market: Sales Value (in Billion US\$), 2018-2023
- Figure 3: Global: Genotyping Market Forecast: Sales Value (in Billion US\$), 2024-2032
- Figure 4: Global: Genotyping Market: Breakup by Product and Service (in %), 2023
- Figure 5: Global: Genotyping Market: Breakup by Technology (in %), 2023
- Figure 6: Global: Genotyping Market: Breakup by Application (in %), 2023
- Figure 7: Global: Genotyping Market: Breakup by End User (in %), 2023
- Figure 8: Global: Genotyping Market: Breakup by Region (in %), 2023
- Figure 9: Global: Genotyping (Instruments) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 10: Global: Genotyping (Instruments) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 11: Global: Genotyping (Reagents and Kits) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 12: Global: Genotyping (Reagents and Kits) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 13: Global: Genotyping (Software and Services) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 14: Global: Genotyping (Software and Services) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 15: Global: Genotyping (Polymerase Chain Reaction (PCR)) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 16: Global: Genotyping (Polymerase Chain Reaction (PCR)) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 17: Global: Genotyping (Capillary Electrophoresis) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 18: Global: Genotyping (Capillary Electrophoresis) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 19: Global: Genotyping (Microarray) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 20: Global: Genotyping (Microarray) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 21: Global: Genotyping (Sequencing) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 22: Global: Genotyping (Sequencing) Market Forecast: Sales Value (in Million

US\$), 2024-2032

Figure 23: Global: Genotyping (Mass Spectrometry) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Genotyping (Mass Spectrometry) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Genotyping (Other Technologies) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Genotyping (Other Technologies) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Genotyping (Pharmacogenomics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Genotyping (Pharmacogenomics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: Genotyping (Diagnostics and Personalized Medicine) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: Genotyping (Diagnostics and Personalized Medicine) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Global: Genotyping (Agricultural Biotechnology) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Global: Genotyping (Agricultural Biotechnology) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Global: Genotyping (Animal Genetics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Global: Genotyping (Animal Genetics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Global: Genotyping (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Global: Genotyping (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Global: Genotyping (Pharmaceutical and Biopharmaceutical Companies) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Global: Genotyping (Pharmaceutical and Biopharmaceutical Companies) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Global: Genotyping (Diagnostics and Research Laboratories) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Global: Genotyping (Diagnostics and Research Laboratories) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Global: Genotyping (Academic Institutes) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Global: Genotyping (Academic Institutes) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Global: Genotyping (Other End Users) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Global: Genotyping (Other End Users) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: North America: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: North America: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: United States: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: United States: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Canada: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Canada: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Asia-Pacific: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Asia-Pacific: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: China: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: China: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Japan: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Japan: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: India: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: India: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: South Korea: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: South Korea: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Australia: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Australia: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Indonesia: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Indonesia: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Others: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Others: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Europe: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Europe: Genotyping Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 69: Germany: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Germany: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 71: France: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: France: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 73: United Kingdom: Genotyping Market: Sales Value (in Million US\$), 2018 &
2023

Figure 74: United Kingdom: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 75: Italy: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Italy: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Spain: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Spain: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 79: Russia: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 80: Russia: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 81: Others: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 82: Others: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 83: Latin America: Genotyping Market: Sales Value (in Million US\$), 2018 &
2023

Figure 84: Latin America: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 85: Brazil: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 86: Brazil: Genotyping Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 87: Mexico: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 88: Mexico: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 89: Others: Genotyping Market: Sales Value (in Million US\$), 2018 & 2023

Figure 90: Others: Genotyping Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 91: Middle East and Africa: Genotyping Market: Sales Value (in Million US\$),
2018 & 2023

Figure 92: Middle East and Africa: Genotyping Market: Breakup by Country (in %), 2023

Figure 93: Middle East and Africa: Genotyping Market Forecast: Sales Value (in Million
US\$), 2024-2032

Figure 94: Global: Genotyping Industry: SWOT Analysis

Figure 95: Global: Genotyping Industry: Value Chain Analysis

Figure 96: Global: Genotyping Industry: Porter's Five Forces Analysis

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