

Preimplantation Genetic Testing Market Outlook Report: Industry Size, Market Shares Data, Latest Trends, Insights, Growth Potential, CAGR Forecasts to 2034

<https://marketpublishers.com/r/P832D8925DB3EN.html>

Date: December 2024

Pages: 150

Price: US\$ 3,950.00 (Single User License)

ID: P832D8925DB3EN

Abstracts

The Global Preimplantation Genetic Testing Market valued at USD 796.5 Million in 2024, is expected to grow by 10.8% CAGR to reach market size worth USD 2,267.8 Million by 2034.

The Preimplantation Genetic Testing (PGT) market is rapidly evolving, driven by advancements in reproductive technologies and increasing awareness of genetic diseases. PGT is utilized to identify genetic anomalies in embryos during in vitro fertilization (IVF), allowing prospective parents to make informed decisions and reduce the risk of genetic disorders in their offspring. The demand for this testing has surged, fueled by rising infertility rates, changing lifestyles, and delayed parenthood trends, leading to a greater reliance on assisted reproductive technologies (ART).

As of 2024, the PGT market has seen significant progress with innovations in genetic screening methods and the adoption of next-generation sequencing (NGS). These advancements have increased testing accuracy while reducing costs, making PGT more accessible. Looking ahead to 2025, the market is expected to witness a steady growth trajectory, supported by increasing investments in research and development (R&D), enhanced regulatory approvals, and rising consumer awareness regarding genetic disorders and testing options.

The Global Preimplantation Genetic Testing Market Analysis Report will provide a comprehensive assessment of business dynamics, offering detailed insights into how companies can navigate the evolving landscape to maximize their market potential through 2034. This analysis will be crucial for stakeholders aiming to align with the latest

industry trends and capitalize on emerging market opportunities.

Preimplantation Genetic Testing Market Strategy, Price Trends, Drivers, Challenges and Opportunities to 2034

In terms of market strategy, price trends, drivers, challenges, and opportunities from 2025 to 2034, Preimplantation Genetic Testing market players are directing investments toward acquiring new technologies, securing raw materials through efficient procurement and inventory management, enhancing product portfolios, and leveraging capabilities to sustain growth amidst challenging conditions. Regional-specific strategies are being emphasized due to highly varying economic and social challenges across countries.

Factors such as global economic slowdown, the impact of geopolitical tensions, delayed growth in specific regions, and the risks of stagflation necessitate a vigilant and forward-looking approach among Preimplantation Genetic Testing industry players. Adaptations in supply chain dynamics and the growing emphasis on cleaner and sustainable practices further drive strategic shifts within companies.

The market study delivers a comprehensive overview of current trends and developments in the Preimplantation Genetic Testing industry, complemented by detailed descriptive and prescriptive analyses for insights into the market landscape until 2034.

North America Preimplantation Genetic Testing Market:

The North American Preimplantation Genetic Testing market witnessed significant growth in 2024, driven by advances in biopharmaceutical innovation, digital health integration, and increasing demand for precision medicine. Key segments such as healthcare cloud computing, IoT medical devices, and advanced wound care are thriving due to strong adoption of next-generation technologies and supportive regulatory frameworks. From 2025 and beyond, the market is expected to expand at a steady CAGR, bolstered by investments in artificial intelligence for diagnostics, mHealth solutions, and real-world evidence platforms. Rising healthcare expenditure, growing prevalence of chronic diseases, and the push for home-based care are critical growth drivers. Furthermore, market dynamics are influenced by developments in the active pharmaceutical ingredients (API) market and regenerative medicine. The ongoing adoption of track-and-trace solutions and advancements in preimplantation genetic testing further exemplify North America's leadership in healthcare innovation.

Europe Preimplantation Genetic Testing Market:

The European healthcare and pharmaceuticals market observed steady growth in 2024, fueled by the region's emphasis on sustainability, advanced therapeutics, and digital

transformation. The strong focus on biopharmaceuticals, including antibody-based therapeutics and regenerative medicine, complements growing investments in healthcare simulation and remote patient monitoring. The Preimplantation Genetic Testing market is anticipated to accelerate in 2025, with substantial gains through 2034 driven by EU healthcare reforms, greater adoption of proteomics and single-cell analysis, and initiatives promoting healthcare cloud computing and sterilization equipment. The demand for advanced diagnostic and therapeutic solutions is supported by government-backed R&D programs and a rising aging population. Additionally, Europe's leadership in clinical trial innovations, coupled with increasing adoption of IoT medical devices and mental health screening, enhances its position as a key global player in the healthcare sector.

Asia-Pacific Healthcare & Pharmaceuticals Market:

The Asia-Pacific healthcare and pharmaceuticals market is set for dynamic expansion, underpinned by rapid advancements in biotechnology, digital healthcare solutions, and rising healthcare infrastructure investment. Growing economies like China and India are at the forefront, driving demand for mHealth solutions, biopreservation technologies, and smart medical devices. The Preimplantation Genetic Testing market is projected to grow at the fastest pace globally during the forecast period 2025 to 2034, spurred by increasing healthcare access, population growth, and rising prevalence of chronic diseases. The adoption of laboratory information systems (LIS), real-world evidence solutions, and sepsis diagnostics reflects a trend toward data-driven, precision-focused healthcare. Strategic partnerships in the biopharmaceutical processing equipment and consumables sector, alongside burgeoning interest in 3D cell culture and amniotic membrane applications, highlight the region's evolving role as a healthcare innovation hub.

Middle East, Africa, South America Preimplantation Genetic Testing Market:

The Rest of the World Preimplantation Genetic Testing market registering moderate growth in 2024, is driven by increasing healthcare initiatives in emerging markets and growing interest in telemedicine and at-home testing solutions. Investments in anesthesia drugs, animal health, and anti-counterfeit pharmaceuticals packaging are gaining traction, particularly in Latin America, Africa, and the Middle East. From 2025 through 2034, the market is expected to witness accelerated growth, fueled by expanding healthcare infrastructure and rising awareness of advanced healthcare solutions. Markets for remote patient monitoring, rehabilitation equipment, and radiation dose management systems are emerging as key areas of focus. Growth in these regions is supported by a rising middle-class population, greater healthcare access, and enhanced pharmaceutical supply chain capabilities. The adoption of smart medical

devices and clinical trial innovations also underscores the evolving healthcare landscape in the Rest of World regions.

Preimplantation Genetic Testing Market Dynamics and Future Analytics

The research analyses the Preimplantation Genetic Testing parent market, derived market, intermediaries' market, raw material market, and substitute market are all evaluated to better prospect the Preimplantation Genetic Testing market outlook. Geopolitical analysis, demographic analysis, and Porter's five forces analysis are prudently assessed to estimate the best Preimplantation Genetic Testing market projections.

Recent deals and developments are considered for their potential impact on Preimplantation Genetic Testing's future business. Other metrics analyzed include the Threat of New Entrants, Threat of New Substitutes, Product Differentiation, Degree of Competition, Number of Suppliers, Distribution Channel, Capital Needed, Entry Barriers, Govt. Regulations, Beneficial Alternative, and Cost of Substitute in Preimplantation Genetic Testing market.

Preimplantation Genetic Testing trade and price analysis helps comprehend Preimplantation Genetic Testing's international market scenario with top exporters/suppliers and top importers/customer information. The data and analysis assist our clients in planning procurement, identifying potential vendors/clients to associate with, understanding Preimplantation Genetic Testing price trends and patterns, and exploring new Preimplantation Genetic Testing sales channels. The research will be updated to the latest month to include the impact of the latest developments such as the Russia-Ukraine war on the Preimplantation Genetic Testing market.

Preimplantation Genetic Testing Market Structure, Competitive Intelligence and Key Winning Strategies

The report presents detailed profiles of top companies operating in the Preimplantation Genetic Testing market and players serving the Preimplantation Genetic Testing value chain along with their strategies for the near, medium, and long term period.

OGAnalysis' proprietary company revenue and product analysis model unveils the Preimplantation Genetic Testing market structure and competitive landscape. Company profiles of key players with a business description, product portfolio, SWOT analysis, Financial Analysis, and key strategies are covered in the report. It identifies top-

performing Preimplantation Genetic Testing products in global and regional markets. New Product Launches, Investment & Funding updates, Mergers & Acquisitions, Collaboration & Partnership, Awards and Agreements, Expansion, and other developments give our clients the Preimplantation Genetic Testing market update to stay ahead of the competition.

Company offerings in different segments across Asia-Pacific, Europe, the Middle East, Africa, and South and Central America are presented to better understand the company strategy for the Preimplantation Genetic Testing market. The competition analysis enables users to assess competitor strategies and helps align their capabilities and resources for future growth prospects to improve their market share.

Preimplantation Genetic Testing Market Research Scope

- Global Preimplantation Genetic Testing market size and growth projections (CAGR), 2024- 2034
- Policies of USA New President Trump, Russia-Ukraine War, Israel-Palestine, Middle East Tensions Impact on the Preimplantation Genetic Testing Trade and Supply-chain
- Preimplantation Genetic Testing market size, share, and outlook across 5 regions and 27 countries, 2023- 2034
- Preimplantation Genetic Testing market size, CAGR, and Market Share of key products, applications, and end-user verticals, 2023- 2034
- Short and long-term Preimplantation Genetic Testing market trends, drivers, restraints, and opportunities
- Porter's Five Forces analysis, Technological developments in the Preimplantation Genetic Testing market, Preimplantation Genetic Testing supply chain analysis
- Preimplantation Genetic Testing trade analysis, Preimplantation Genetic Testing market price analysis, Preimplantation Genetic Testing supply/demand
- Profiles of 5 leading companies in the industry- overview, key strategies, financials, and products
- Latest Preimplantation Genetic Testing market news and developments

The Preimplantation Genetic Testing Market international scenario is well established in the report with separate chapters on North America Preimplantation Genetic Testing Market, Europe Preimplantation Genetic Testing Market, Asia-Pacific Preimplantation Genetic Testing Market, Middle East and Africa Preimplantation Genetic Testing Market, and South and Central America Preimplantation Genetic Testing Markets. These sections further fragment the regional Preimplantation Genetic Testing market by type, application, end-user, and country.

Countries Covered

North America Preimplantation Genetic Testing market data and outlook to 2034

United States
Canada
Mexico

Europe Preimplantation Genetic Testing market data and outlook to 2034

Germany
United Kingdom
France
Italy
Spain
BeNeLux
Russia

Asia-Pacific Preimplantation Genetic Testing market data and outlook to 2034

China
Japan
India
South Korea
Australia
Indonesia
Malaysia
Vietnam

Middle East and Africa Preimplantation Genetic Testing market data and outlook to 2034

Saudi Arabia
South Africa
Iran
UAE
Egypt

South and Central America Preimplantation Genetic Testing market data and outlook to 2034

Brazil
Argentina
Chile
Peru

* We can include data and analysis of additional countries on demand

Who can benefit from this research

The research would help top management/strategy formulators/business/product development/sales managers and investors in this market in the following ways

1. The report provides 2024 Preimplantation Genetic Testing market sales data at the global, regional, and key country levels with a detailed outlook to 2034 allowing companies to calculate their market share and analyze prospects, uncover new markets, and plan market entry strategy.
2. The research includes the Preimplantation Genetic Testing market split into different types and applications. This segmentation helps managers plan their products and budgets based on the future growth rates of each segment
3. The Preimplantation Genetic Testing market study helps stakeholders understand the breadth and stance of the market giving them information on key drivers, restraints, challenges, and growth opportunities of the market and mitigating risks
4. This report would help top management understand competition better with a detailed SWOT analysis and key strategies of their competitors, and plan their position in the business
5. The study assists investors in analyzing Preimplantation Genetic Testing business prospects by region, key countries, and top companies' information to channel their investments.

Available Customizations

The standard syndicate report is designed to serve the common interests of Preimplantation Genetic Testing Market players across the value chain and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

Some of the customization requests are as mentioned below –

Segmentation of choice – Our clients can seek customization to modify/add a market division for types/applications/end-uses/processes of their choice.

Preimplantation Genetic Testing Pricing and Margins Across the Supply Chain,
Preimplantation Genetic Testing Price Analysis / International Trade Data / Import-Export Analysis,

Supply Chain Analysis, Supply – Demand Gap Analysis, PESTLE Analysis, Macro-Economic Analysis, and other Preimplantation Genetic Testing market analytics Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

Further, the client can seek customization to break down geographies as per their requirements for specific countries/country groups such as South East Asia, Central Asia, Emerging and Developing Asia, Western Europe, Eastern Europe, Benelux, Emerging and Developing Europe, Nordic countries, North Africa, Sub-Saharan Africa, Caribbean, The Middle East and North Africa (MENA), Gulf Cooperation Council (GCC) or any other.

Capital Requirements, Income Projections, Profit Forecasts, and other parameters to prepare a detailed project report to present to Banks/Investment Agencies.

Customization of up to 10% of the content can be done without any additional charges.

Note: Latest developments will be updated in the report and delivered within 2 to 3 working days

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL PREIMPLANTATION GENETIC TESTING MARKET REVIEW, 2024

- 2.1 Preimplantation Genetic Testing Industry Overview
- 2.2 Research Methodology

3. PREIMPLANTATION GENETIC TESTING MARKET INSIGHTS

- 3.1 Preimplantation Genetic Testing Market Trends to 2034
- 3.2 Future Opportunities in Preimplantation Genetic Testing Market
- 3.3 Dominant Applications of Preimplantation Genetic Testing, 2024 Vs 2034
- 3.4 Key Types of Preimplantation Genetic Testing, 2024 Vs 2034
- 3.5 Leading End Uses of Preimplantation Genetic Testing Market, 2024 Vs 2034
- 3.6 High Prospect Countries for Preimplantation Genetic Testing Market, 2024 Vs 2034

4. PREIMPLANTATION GENETIC TESTING MARKET TRENDS, DRIVERS, AND RESTRAINTS

- 4.1 Latest Trends and Recent Developments in Preimplantation Genetic Testing Market
- 4.2 Key Factors Driving the Preimplantation Genetic Testing Market Growth
- 4.2 Major Challenges to the Preimplantation Genetic Testing industry, 2025- 2034
- 4.3 Impact of Wars and geo-political tensions on Preimplantation Genetic Testing supply chain

5 FIVE FORCES ANALYSIS FOR GLOBAL PREIMPLANTATION GENETIC TESTING MARKET

- 5.1 Preimplantation Genetic Testing Industry Attractiveness Index, 2024
- 5.2 Preimplantation Genetic Testing Market Threat of New Entrants
- 5.3 Preimplantation Genetic Testing Market Bargaining Power of Suppliers
- 5.4 Preimplantation Genetic Testing Market Bargaining Power of Buyers
- 5.5 Preimplantation Genetic Testing Market Intensity of Competitive Rivalry
- 5.6 Preimplantation Genetic Testing Market Threat of Substitutes

6. GLOBAL PREIMPLANTATION GENETIC TESTING MARKET DATA – INDUSTRY SIZE, SHARE, AND OUTLOOK

6.1 Preimplantation Genetic Testing Market Annual Sales Outlook, 2025- 2034 (\$ Million)

6.1 Global Preimplantation Genetic Testing Market Annual Sales Outlook by Type, 2025- 2034 (\$ Million)

6.2 Global Preimplantation Genetic Testing Market Annual Sales Outlook by Application, 2025- 2034 (\$ Million)

6.3 Global Preimplantation Genetic Testing Market Annual Sales Outlook by End-User, 2025- 2034 (\$ Million)

6.4 Global Preimplantation Genetic Testing Market Annual Sales Outlook by Region, 2025- 2034 (\$ Million)

7. ASIA PACIFIC PREIMPLANTATION GENETIC TESTING INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

7.1 Asia Pacific Market Insights, 2024

7.2 Asia Pacific Preimplantation Genetic Testing Market Revenue Forecast by Type, 2025- 2034 (USD Million)

7.3 Asia Pacific Preimplantation Genetic Testing Market Revenue Forecast by Application, 2025- 2034(USD Million)

7.4 Asia Pacific Preimplantation Genetic Testing Market Revenue Forecast by End-User, 2025- 2034 (USD Million)

7.5 Asia Pacific Preimplantation Genetic Testing Market Revenue Forecast by Country, 2025- 2034 (USD Million)

7.5.1 China Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.2 Japan Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.3 India Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.4 South Korea Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.5 Australia Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.6 Indonesia Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.7 Malaysia Preimplantation Genetic Testing Analysis and Forecast to 2034

7.5.8 Vietnam Preimplantation Genetic Testing Analysis and Forecast to 2034

7.6 Leading Companies in Asia Pacific Preimplantation Genetic Testing Industry

8. EUROPE PREIMPLANTATION GENETIC TESTING MARKET HISTORICAL TRENDS, OUTLOOK, AND BUSINESS PROSPECTS

8.1 Europe Key Findings, 2024

8.2 Europe Preimplantation Genetic Testing Market Size and Percentage Breakdown by Type, 2025- 2034 (USD Million)

8.3 Europe Preimplantation Genetic Testing Market Size and Percentage Breakdown by Application, 2025- 2034 (USD Million)

8.4 Europe Preimplantation Genetic Testing Market Size and Percentage Breakdown by End-User, 2025- 2034 (USD Million)

8.5 Europe Preimplantation Genetic Testing Market Size and Percentage Breakdown by Country, 2025- 2034 (USD Million)

8.5.1 2024 Germany Preimplantation Genetic Testing Market Size and Outlook to 2034

8.5.2 2024 United Kingdom Preimplantation Genetic Testing Market Size and Outlook to 2034

8.5.3 2024 France Preimplantation Genetic Testing Market Size and Outlook to 2034

8.5.4 2024 Italy Preimplantation Genetic Testing Market Size and Outlook to 2034

8.5.5 2024 Spain Preimplantation Genetic Testing Market Size and Outlook to 2034

8.5.6 2024 BeNeLux Preimplantation Genetic Testing Market Size and Outlook to 2034

8.5.7 2024 Russia Preimplantation Genetic Testing Market Size and Outlook to 2034

8.6 Leading Companies in Europe Preimplantation Genetic Testing Industry

9. NORTH AMERICA PREIMPLANTATION GENETIC TESTING MARKET TRENDS, OUTLOOK, AND GROWTH PROSPECTS

9.1 North America Snapshot, 2024

9.2 North America Preimplantation Genetic Testing Market Analysis and Outlook by Type, 2025- 2034(\$ Million)

9.3 North America Preimplantation Genetic Testing Market Analysis and Outlook by Application, 2025- 2034(\$ Million)

9.4 North America Preimplantation Genetic Testing Market Analysis and Outlook by End-User, 2025- 2034(\$ Million)

9.5 North America Preimplantation Genetic Testing Market Analysis and Outlook by Country, 2025- 2034(\$ Million)

9.5.1 United States Preimplantation Genetic Testing Market Analysis and Outlook

9.5.2 Canada Preimplantation Genetic Testing Market Analysis and Outlook

9.5.3 Mexico Preimplantation Genetic Testing Market Analysis and Outlook

9.6 Leading Companies in North America Preimplantation Genetic Testing Business

10. LATIN AMERICA PREIMPLANTATION GENETIC TESTING MARKET DRIVERS, CHALLENGES, AND GROWTH PROSPECTS

10.1 Latin America Snapshot, 2024

10.2 Latin America Preimplantation Genetic Testing Market Future by Type, 2025-2034(\$ Million)

10.3 Latin America Preimplantation Genetic Testing Market Future by Application, 2025-2034(\$ Million)

10.4 Latin America Preimplantation Genetic Testing Market Future by End-User, 2025-2034(\$ Million)

10.5 Latin America Preimplantation Genetic Testing Market Future by Country, 2025-2034(\$ Million)

10.5.1 Brazil Preimplantation Genetic Testing Market Analysis and Outlook to 2034

10.5.2 Argentina Preimplantation Genetic Testing Market Analysis and Outlook to 2034

10.5.3 Chile Preimplantation Genetic Testing Market Analysis and Outlook to 2034

10.6 Leading Companies in Latin America Preimplantation Genetic Testing Industry

11. MIDDLE EAST AFRICA PREIMPLANTATION GENETIC TESTING MARKET OUTLOOK AND GROWTH PROSPECTS

11.1 Middle East Africa Overview, 2024

11.2 Middle East Africa Preimplantation Genetic Testing Market Statistics by Type, 2025- 2034 (USD Million)

11.3 Middle East Africa Preimplantation Genetic Testing Market Statistics by Application, 2025- 2034 (USD Million)

11.4 Middle East Africa Preimplantation Genetic Testing Market Statistics by End-User, 2025- 2034 (USD Million)

11.5 Middle East Africa Preimplantation Genetic Testing Market Statistics by Country, 2025- 2034 (USD Million)

11.5.1 South Africa Preimplantation Genetic Testing Market Outlook

11.5.2 Egypt Preimplantation Genetic Testing Market Outlook

11.5.3 Saudi Arabia Preimplantation Genetic Testing Market Outlook

11.5.4 Iran Preimplantation Genetic Testing Market Outlook

11.5.5 UAE Preimplantation Genetic Testing Market Outlook

11.6 Leading Companies in Middle East Africa Preimplantation Genetic Testing Business

12. PREIMPLANTATION GENETIC TESTING MARKET STRUCTURE AND

COMPETITIVE LANDSCAPE

- 12.1 Key Companies in Preimplantation Genetic Testing Business
- 12.2 Preimplantation Genetic Testing Key Player Benchmarking
- 12.3 Preimplantation Genetic Testing Product Portfolio
- 12.4 Financial Analysis
- 12.5 SWOT and Financial Analysis Review

14. LATEST NEWS, DEALS, AND DEVELOPMENTS IN PREIMPLANTATION GENETIC TESTING MARKET

- 14.1 Preimplantation Genetic Testing trade export, import value and price analysis

15 APPENDIX

- 15.1 Publisher Expertise
- 15.2 Preimplantation Genetic Testing Industry Report Sources and Methodology

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