

Preimplantation Genetic Diagnosis Market Size, Trends, Analysis, and Outlook By Product (Reagents & Consumables, Instruments, Software and Services), By Technology (Next Generation Sequencing (NGS), Polymerase Chain Reaction (PCR), Comparative Genomic Hybridization (CGH), Others), By Application (Aneuploidy, Structural Chromosomal Abnormalities, Single Gene Disorders, X-linked Disorders, Gender Identification, Others), by Region, Country, Segment, and Companies, 2024-2030

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Abstracts

The global Preimplantation Genetic Diagnosis market size is poised to register 9.31% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Preimplantation Genetic Diagnosis market By Product (Reagents & Consumables, Instruments, Software and Services), By Technology (Next Generation Sequencing (NGS), Polymerase Chain Reaction (PCR), Comparative Genomic Hybridization (CGH), Others), By Application (Aneuploidy, Structural Chromosomal Abnormalities, Single Gene Disorders, X-linked Disorders, Gender Identification, Others).

The future of preimplantation genetic diagnosis (PGD) is characterized by advancements in genomic technologies, embryo screening techniques, and reproductive medicine practices enabling the early detection and selection of embryos free from genetic abnormalities before implantation during in vitro fertilization (IVF) procedures. Key trends include the adoption of next-generation sequencing (NGS),

microarray-based comparative genomic hybridization (aCGH), and polymerase chain reaction (PCR) methods for comprehensive genetic testing of embryos, offering higher resolution, accuracy, and detection rates for chromosomal abnormalities, single-gene disorders, and aneuploidies. Additionally, there is growing interest in non-invasive PGD approaches, such as embryo biopsy-free methods using spent culture media analysis, blastocyst imaging, and embryo time-lapse monitoring, to reduce embryo manipulation, improve implantation rates, and minimize the risk of procedure-related complications. Moreover, there is increasing emphasis on expanding the scope of PGD to include screening for polygenic traits, complex diseases, and non-medical traits, such as eye color and intelligence, raising ethical, legal, and societal implications for assisted reproductive technologies (ART) and embryo selection practices, driving innovation and market growth in the field of preimplantation genetic diagnosis..

Preimplantation Genetic Diagnosis Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Preimplantation Genetic Diagnosis market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Preimplantation Genetic Diagnosis survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Preimplantation Genetic Diagnosis industry.

Key market trends defining the global Preimplantation Genetic Diagnosis demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Preimplantation Genetic Diagnosis Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Preimplantation Genetic Diagnosis industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue

growth from expansion into these niche segments. The report presents the market size outlook across segments to support Preimplantation Genetic Diagnosis companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Preimplantation Genetic Diagnosis industry

Leading Preimplantation Genetic Diagnosis companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Preimplantation Genetic Diagnosis companies.

Preimplantation Genetic Diagnosis Market Study- Strategic Analysis Review

The Preimplantation Genetic Diagnosis market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Preimplantation Genetic Diagnosis Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Preimplantation Genetic Diagnosis industry report provides a detailed analysis and

outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Preimplantation Genetic Diagnosis Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Preimplantation Genetic Diagnosis Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Preimplantation Genetic Diagnosis market segments. Similarly, Strong end-user demand is encouraging Canadian Preimplantation Genetic Diagnosis companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Preimplantation Genetic Diagnosis market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Preimplantation Genetic Diagnosis Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Preimplantation Genetic Diagnosis industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Preimplantation Genetic Diagnosis market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Preimplantation Genetic Diagnosis Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Preimplantation Genetic Diagnosis in Asia Pacific. In particular, China, India, and South East Asian Preimplantation Genetic Diagnosis markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Preimplantation Genetic Diagnosis Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Preimplantation Genetic Diagnosis Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Preimplantation Genetic Diagnosis market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Preimplantation Genetic Diagnosis.

Preimplantation Genetic Diagnosis Market Company Profiles

The global Preimplantation Genetic Diagnosis market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Abbott Laboratories, Agilent Technologies Inc, Coopersurgical Inc, Illumina Inc, Invicta

Genetics, Natera Inc, Perkinelmer Inc, Takara Bio Usa Holdings Inc, Thermo Fisher Scientific Inc, Yikon Genomics.

Recent Preimplantation Genetic Diagnosis Market Developments

The global Preimplantation Genetic Diagnosis market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Preimplantation Genetic Diagnosis Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Abbott Laboratories

Agilent Technologies Inc

Coopersurgical Inc

Illumina Inc

Invicta Genetics

Natera Inc

Perkinelmer Inc

Takara Bio Usa Holdings Inc

Thermo Fisher Scientific Inc

Yikon Genomics

Formats Available: Excel, PDF, and PPT

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By Display
Color Ultrasound
B/W Ultrasound
By Portability
Trolley or Cart-Based Ultrasound Systems
Compact/Handheld Ultrasound Systems
Point-of-Pare (PoC) Ultrasound Systems
By Application
Radiology or General Imaging
Obstetrics or Gynecology
Cardiology
Urology
Vascular
Orthopedic and Musculoskeletal
Pain Management
Others
By End-User
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Maternity Centers
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Agilent Technologies Inc

Coopersurgical Inc

Illumina Inc

Invicta Genetics

Natera Inc

Perkinelmer Inc

Takara Bio Usa Holdings Inc

Thermo Fisher Scientific Inc

Yikon Genomics

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