

# **HLA Typing Market Size, Trends, Analysis, and Outlook By Technology (Molecular Assay Technologies, Non-molecular Assay Technologies), By Products and Services (Reagents & Consumables, Instruments, Software & Services), By Application (Diagnostic Applications, Research Applications, Donor-recipient cross-matching, Infectious disease testing, Cancer diagnosis & prevention, Transfusion therapy, Others), By End-User (Commercial service providers, Hospitals & surgical centers, Research laboratories), by Country, Segment, and Companies, 2024-2032**

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## **Abstracts**

The global HLA Typing market size is poised to register 6.9% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global HLA Typing market across By Technology (Molecular Assay Technologies, Non-molecular Assay Technologies), By Products and Services (Reagents & Consumables, Instruments, Software & Services), By Application (Diagnostic Applications, Research Applications, Donor-recipient cross-matching, Infectious disease testing, Cancer diagnosis & prevention, Transfusion therapy, Others), By End-User (Commercial service providers, Hospitals & surgical centers, Research laboratories)

The HLA typing market is characterized by the increasing importance of

histocompatibility testing in organ transplantation and immune-related diseases, advancements in molecular typing methods and sequencing technologies, and the growing demand for precision matching and personalized medicine. By 2030, the market is poised to witness steady growth, driven by innovations in PCR-based typing assays, next-generation sequencing (NGS) platforms, and allele-specific antibody testing. Further, expanding applications in solid organ transplantation, stem cell transplantation, and disease association studies are expected to drive market expansion, enabling clinical laboratories, transplant centers, and tissue typing laboratories to perform accurate and comprehensive HLA typing through histocompatibility testing solutions that offer specificity, sensitivity, and resolution for donor-recipient matching and immunogenetic analysis in transplantation medicine and immune-mediated disorders.

### HLA Typing 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 HLA Typing market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of HLA Typing 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 HLA Typing industry.

### Key market trends defining the global HLA Typing 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.

### HLA Typing Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The HLA Typing 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 HLA Typing companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the HLA Typing industry

Leading HLA Typing 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 HLA Typing companies.

## HLA Typing Market Study- Strategic Analysis Review

The HLA Typing 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.

## HLA Typing Market Size Outlook- Historic and Forecast Revenue in Three Cases

The HLA Typing 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 2032 in three case scenarios- low case, reference case, and high case scenarios.

## HLA Typing Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market

size outlook from 2021 to 2032. 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 2032.

**North America HLA Typing 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 healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various HLA Typing market segments. Similarly, Strong market demand is encouraging Canadian HLA Typing companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico HLA Typing market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

**Europe HLA Typing Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities**

The German industry remains the major market for companies in the European HLA Typing 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 vendors in identifying and leveraging new growth prospects positions the European HLA Typing 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 HLA Typing 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 HLA Typing in Asia Pacific. In particular, China, India, and South East Asian HLA Typing markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors 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 countries in the APAC region.

**Latin America HLA Typing 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 HLA Typing 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 HLA Typing market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for HLA Typing.

**HLA Typing Market Company Profiles**

The global HLA Typing 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 Bio-Rad Laboratories Inc., Dickinson and Company, F. Hoffman-La Roche Limited, GenDx, Illumina Inc., Omixon Inc., Pacific Biosciences, Qiagen N.V., Takara Bio Inc., TBG Diagnostics Limited, Thermo Fisher Scientific Inc.

**Recent HLA Typing Market Developments**

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

**HLA Typing Market Report Scope**

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (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 Technology

Molecular Assay Technologies

-PCR-based Molecular Assays

-Sequencing-based Molecular Assays

Non-molecular Assay Technologies

By Products and Services

Reagents & Consumables

Instruments

Software & Services

By Application

Diagnostic Applications

Research Applications

Donor-recipient cross-matching

Infectious disease testing

Cancer diagnosis & prevention

Transfusion therapy

Others

By End-User

Commercial service providers

Hospitals & surgical centers

Research laboratories

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Bio-Rad Laboratories Inc.

Dickinson and Company

F. Hoffman-La Roche Limited

GenDx

Illumina Inc.

Omixon Inc.

Pacific Biosciences

Qiagen N.V.

Takara Bio Inc.

TBG Diagnostics Limited

Thermo Fisher Scientific Inc.

Formats Available: Excel, PDF, and PPT



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Non-molecular Assay Technologies

By Products and Services

Reagents & Consumables

Instruments

Software & Services

By Application

Diagnostic Applications

Research Applications

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- Pacific Biosciences
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