

Global Transplant Diagnostics Market Size study & Forecast, by Technology (Molecular Assay, Non-molecular Assay), by Product (Reagents & Consumables, Instruments, Software and Services) and Regional Analysis, 2022-2029

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Abstracts

Global Transplant Diagnostics Market is valued approximately USD 721.30 million in 2021 and is anticipated to grow with a healthy growth rate of more than 7.6% over the forecast period 2022-2029. Transplant diagnostics are tests carried out to determine whether the organ recipient and donor are compatible before or after transplant. The major driving factor for the market are increase in the technological advancements in the field of transplants and rising number of transplant procedures. Moreover, strategic initiatives by market players is creating lucrative growth opportunity for the market players over the forecast period 2022-2029.

According to the research conducted at Bizwit Research & Consulting LLP, there is a strong need for liver, kidney, heart, and lung transplants. Organ failure is most commonly caused by alcohol usage, drug addiction, and inactivity. According to the Organ Procurement and Transplantation Network, 41,354 organ transplants were carried out in the United States in 2021, a 5.9 percent increase over the previous year and the first time the yearly total went above 40,000. Organ transplantation also increases patient survival and quality of life, has a significant positive effect on public health, and reduces the socioeconomic burden of organ failure. Europe is a leader in this field because of the European Union's (EU) generally uniform and systematic approach to organ transplantation, well-established national programmes, global infrastructure to allow organ sharing, and clearly defined exchange policies. However, high cost of organ transplantation is restraining the market growth over the forecast period.

The key regions considered for the Global Transplant Diagnostics Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In terms of revenue share, North America is dominating the market space in 2021. Major influences include the widespread use of cutting-edge methods and diagnostic technologies, rising healthcare costs, and the accessibility of qualified personnel. Due to factors including a highly established healthcare infrastructure and the availability of qualified specialists, the U.S. has the biggest market share. Additionally, the widespread use of stem cell therapies, and soft tissue transplants is promoting regional market expansion. Along with this, Asia Pacific is growing with the fastest CAGR over the forecast period 2022-2029 owing to rising adoption of innovative diagnostic technology, and rising number of organ transplant in the region excelling the growth of the market.

Major market player included in this report are:

Thermo Fisher Scientific, Inc.

Illumina, Inc.

F. Hoffmann La-Roche AG.

Abbott Laboratories, Inc.

Qiagen N.V.

Immucor Transplant Diagnostics, Inc.

Bio-rad Laboratories, Inc.

Affymetrix, Inc.

Omixon Ltd.

Hologic, Inc.

Merck KGaA

Recent Developments in the Market:

In October 2022, the US-based biotechnology company Plexision, has started conducting business abroad with the opening of a reference laboratory in Hyderabad, India. This facility will provide transplant patients with a wide variety of diagnostics. These tests include drug level monitoring, genetic testing, pharmacogenomics, and the company's unique tailored transplant diagnostic assays to anticipate viral infections and rejection.

In March 2022, Immucor, Inc., a leader in transfusion and transplantation diagnostics, recently announced the addition of two new products to its portfolio of transplant diagnostics, illustrating their dedication to new developments in the histocompatibility sector.

Global Transplant Diagnostics Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Technology, Product, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technology offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Molecular Assay

Non-molecular Assay

By Product:

Reagents & Consumables

Instruments

Software and Services

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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