

Transplant Diagnostics Market Analysis Highlights Growth To \$2.95 Billion By 2030 At 7.1% CAGR

*The Business Research Company's
Transplant Diagnostics Market Analysis
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/EINPresswire.com/ -- "The transplant
diagnostics field is rapidly evolving,

driven by advancements in medical technology and a rising number of organ transplants worldwide. As diagnostic tools become more sophisticated, the market is set to expand, supporting improved patient outcomes and more efficient transplantation processes. Below is an overview of the market's current status, key growth factors, regional dynamics, and future prospects.



Expected to grow to \$2.96
billion in 2030 at a
compound annual growth
rate (CAGR) of 7.1%"

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Steady Growth Expected in the [Transplant Diagnostics Market](#) by 2030

The transplant diagnostics market has experienced significant growth recently and is projected to continue this upward trajectory. From \$2.07 billion in 2025, it is anticipated to increase to \$2.25 billion in 2026, reflecting a compound annual growth rate (CAGR) of 8.5%. This growth

is largely due to an increase in organ transplant procedures, advancements in histocompatibility testing techniques, a higher incidence of immunogenetic disorders, expansion of transplant centers, and supportive government funding for organ donation initiatives.

Download a free sample of the [transplant diagnostics market report](#):

https://www.thebusinessresearchcompany.com/sample.aspx?id=2481&type=smp&utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Sep_PR

Looking ahead, the market is forecast to reach \$2.96 billion by 2030 with a CAGR of 7.1%. Factors driving this future growth include the integration of artificial intelligence (AI) and machine

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learning into diagnostic testing, broader adoption of next-generation sequencing (NGS), the rise of personalized immunotherapy, the expansion of cloud-based diagnostics platforms, and heightened global awareness about organ donation. Key trends anticipated during this period involve rapid histocompatibility testing, AI-enhanced donor-recipient matching, incorporation of molecular diagnostics, high-throughput screening technologies, and cloud-based transplant data management systems.

Understanding Transplant Diagnostics and Its Importance

Transplant diagnostics primarily refer to the tests conducted to assess compatibility and health between donor organs and recipients prior to transplantation. The core focus areas include histocompatibility and immunogenetics, which are critical in both organ transplantation and hematopoietic stem cell transplantation. These diagnostic procedures ensure better matching and reduce the risk of organ rejection, thereby improving transplant success rates.

View the full transplant diagnostics market report:

https://www.thebusinessresearchcompany.com/report/transplant-diagnostics-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Sep_PR

Key Factors Fueling Growth in the Transplant Diagnostics Market

One of the main drivers of market expansion is the rising prevalence of chronic diseases. Conditions such as diabetes, heart disease, and arthritis are becoming more common and generally require ongoing medical management. These chronic illnesses often lead to organ damage, increasing the need for transplantation and related diagnostic testing. The surge in chronic diseases is linked to lifestyle factors like poor diet, lack of exercise, and smoking, which elevate risks for these conditions.

Transplant diagnostics play a vital role in managing chronic diseases by providing precise monitoring of transplanted organs and early detection of complications. This enables healthcare providers to offer timely interventions and personalized treatment plans, ultimately enhancing organ survival rates and overall patient care. For example, data from the UK's National Health Service in June 2024 revealed that the number of individuals diagnosed with non-diabetic hyperglycemia or pre-diabetes rose to 3,615,330 in 2023, an 18% increase from the previous year's 3,065,825 cases. This rise in chronic conditions is a significant contributor to the growing demand for transplant diagnostics.

Regional Market Leadership and Growth Hotspots

In 2025, North America held the largest share of the transplant diagnostics market, supported by advanced healthcare infrastructure and high organ transplantation rates. Western Europe ranked as the second-largest market region. Other key regions covered in market analyses include Asia-Pacific, South East Asia, Eastern Europe, South America, the Middle East, and Africa, each offering unique growth opportunities depending on healthcare development and organ donation awareness in those areas.

Key enhancements in our 2026 market reports include:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

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