HLA Typing for the Transplant Market, By Technology, Products & Services, Application, End User - Forecast To 2021

Description:

"HLA Typing For Transplant Market By Technology (Sso-Pcr, Ssp-Pcr, Ngs, Sanger's Sequencing), Products & Services (Instruments, Reagents, Software), Application (Diagnostics, Research), End User (Hospitals, Academia, Diagnostic Center) Forecast To 2021"

The global transplant diagnostics market is projected to reach USD 753.9 million by 2021 from USD 535.0 million in 2016, growing at a CAGR of 7.1%, during 2016 to 2021. Market growth can be attributed to factors such as rising number of solid organ, soft tissue, and stem cell transplantations; technological advancements; and increased funding, research grants, and public-private investments. However, high device costs associated with NGS and PCR-based devices and limited medical reimbursements for organ donation and transplantation procedures restrain the growth of the transplant diagnostics market.

Furthermore, the technological shift from serological assays to gene-based HLA profiling and improving healthcare infrastructure across developing countries provide various opportunities in the transplant diagnostics market. The significant gap between the number of organs donated and the number of organs required annually is however a major challenge limiting the growth of the global transplant diagnostics market to a certain extent.

In this report, the global transplant diagnostics market is segmented on the basis of technology into molecular assay technology (including PCR-based (sequence-specific oligonucleotide and sequence-specific primer-PCR) and sequencing-based (next-generation sequencing and Sanger sequencing)) and non-molecular assay technology (includes serological and mixed lymphocyte culture assay); products and services (reagents and consumables, instruments, and software & services); applications (diagnostic and research); and end users (hospitals & transplant centers, commercial service providers, and research laboratories & academic institutes).

Geographically, North America and Europe are expected to be the mature markets for transplant diagnostics products in 2016. The North American transplant diagnostics market is expected to hold the largest share of global transplant diagnostics market in 2016; it is projected to grow at the highest CAGR during the forecast period owing to easy accessibility and high adoption of advanced diagnostic technologies (such as PCR and NGS), increasing prevalence of target diseases (such as cancer, heart failure, and renal diseases) in the U.S. and Canada, and continuous technological advancements in the field of transplant diagnostics.

As of 2015, the key players in the transplant diagnostics market included Thermo Fischer Scientific, Inc. (U.S.), Immucor, Inc. (U.S), Olerup SSP AB (Sweden), QIAGEN, Inc. (Netherlands), Bio-Rad Laboratories, Inc. (U.S.), Affymetrix, Inc. (U.S.), Illumina Inc. (U.S.), Luminex Corporation, (U.S.), F. Hoffmann-La Roche Ltd. (Switzerland), and Abbott Laboratories, Inc. (U.S.), among others.

Reasons to Buy the Report:

From an insight perspective, this research report has focused on various levels of analysis such as market share analysis of the top ten players and company profiles, which together comprise and discuss the basic views on the competitive landscape, emerging and high-growth segments of the transplant diagnostics market, and high-growth regions and their respective drivers, restraints, challenges, and opportunities.

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn help firms to garner a higher market share. Firms purchasing the report could use any one or a combination of the below-mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market shares.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on the transplant diagnostic products offered by the top
10 players in the global market. The report analyzes the transplant diagnostics market by technology, products and services, end user, and application across key geographic regions.

- **Product Development/Innovation**: Detailed insights on the upcoming transplant diagnostics products, research and development activities, and new product launches in the market.

- **Market Development**: Comprehensive information on the lucrative emerging markets. The report analyzes the markets for various transplant diagnostic products across key geographic regions.

- **Market Diversification**: Exhaustive information about new products, untapped geographies, recent developments, and investments in the global transplant diagnostics market.

- **Competitive Assessment**: In-depth assessment of market shares, strategies, products, distribution networks, and manufacturing capabilities of leading players in the global transplant diagnostics market.

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