Transplant Diagnostic Market Analysis By Technology, By Product And Segment Forecasts To 2024

Description:

Transplant Diagnostic Market Analysis By Technology (Molecular: PCR-based, Sequencing-based; Non-molecular assays: Serological, Mixed Lymphocyte Culture (MLC)), By Product (Reagents and Consumables, Instrument, Services and Software) And Segment Forecasts To 2024

The global Transplant Diagnostic Market is expected to reach USD 895.2 million by 2024, according to this new report. The rising demand for organ transplantation is primarily fueling the demand for transplant diagnostics.

Constant healthcare research and development efforts are resulting in the introduction of technically advanced treatments, such as stem cell therapy and organ transplants. As a result, the adoption of these highly-advanced organ transplantation techniques is creating the demand for transplant diagnostics as they reduce the risk of infections and minimize the chances of an immune response through pre-operative assessments including histocompatibility tests, such as Human Leukocyte Antigen (HLA) typing, which determines donor-receiver organ or tissue compatibility prior to organ transplants.

In addition, pertinent organizations are supporting research and development initiatives in the field of organ transplant through grants and funding. As a result, innovative and advanced diagnostic tools are frequently entering into the market. On the other hand, high cost of the diagnostic tests is one of the major factors hindering the growth of the market.

Geographically, the market has been segmented into North America, Europe, Asia Pacific, Latin America, and Middle East and Africa (MEA). North America and Europe together accounted for the largest market share in 2015. Developed economies and well-established healthcare infrastructure coupled with the presence of a highly developed research infrastructure are accelerating the adoption of organ and tissue transplant therapies in Europe and North America. As a consequence, the demand for transplant diagnostics is high in North America and Europe.

Wide adoption of HLA typing owing to its ability to determine organ compatibility between the donor and the receiver preceding organ transplants and to predict potential perioperative immunological complications is driving the growth of the molecular assay market in North America and Europe.

Asia Pacific is expected to show the fastest growth rate during the forecast period owing to the booming medical tourism in countries, such as India. Availability of advanced healthcare infrastructure and skilled professionals at a lower cost are anticipated to attract patients worldwide to this region for transplant procedures.

In addition, the presence of highly advanced healthcare infrastructure and the ongoing government initiatives to improve healthcare facilities in the country are collectively anticipated to boost the market growth in Japan during the forecast period. As a result, the Asia Pacific market is anticipated to reach USD 216.6 million in 2024.

Further key findings from the study suggest:

The PCR-based molecular assay captured the largest share of the overall market in 2015. The large market share was mainly attributed to the extensive adoption of the PCR technique in HLA typing.

The sequencing-based typing segment is anticipated to witness significant growth rate from 2016 to 2024. The escalation in the adoption of next generation sequencing (NGS) is the major factor expected to drive the growth of this segment during the forecast period.

The integration of sequencing with serological typing enhances diagnostic outcomes and, hence is expected to augment the growth of the sequencing segment during the forecast period.

The reagents and consumables segment accounted for the largest market share in 2015. This large share is
mainly attributed to the repeat purchase of these products.

North America captured the largest market share of around 38% in 2015 and is expected to maintain its dominance throughout the forecast period. Well-established research infrastructure, the increasing healthcare expenditure, high adoption rate of the advanced diagnostic techniques, and the growing R&D activities are some of the factors supporting the growth of the market in the region.

Asia Pacific is expected to witness significant growth during the forecast period owing to the expanding research opportunities, the increasing healthcare expenditure, and the rising awareness of organ donation in the region.

The booming medical tourism industry offers further growth opportunities for the market in Asia Pacific.


Contents:
1 Methodology and Scope
   1.1 Research Methodology
      1.1.1 Country wide market: Base estimates
      1.1.2 Global market: CAGR calculation
   1.2 Research Scope & Assumptions
   1.3 List of Data Sources

2 Executive Summary

3 Transplant Diagnostics Industry Outlook
   3.1 Market segmentation
   3.2 Market size and growth prospects
   3.3 Transplant Diagnostics: market dynamics
   3.4 Market driver analysis
   3.5 Market restraint analysis
   3.6 Key opportunities prioritized
   3.7 Transplant Diagnostics industry analysis - Porter's Five Forces Model
   3.8 Transplant Diagnostic market - PESTEL analysis
   3.9 Transplant Diagnostics: company market share analysis, 2014
   3.10 Value Chain Analysis

4 Transplant Diagnostics Technology Outlook
   4.1 Transplant Diagnostic market revenue share by Technology, 2014 & 2024, % share
   4.2 Molecular Assay
      4.2.1 Molecular Assay, Market Revenue, by type (USD Million), 2014 - 2024
      4.2.2 PCR-based Assay
      4.2.2.1 PCR-based Assay, Market Revenue, by type (USD Million), 2014 - 2024
      4.2.3 Sequencing-based Assay
      4.2.3.1 Sequencing-based Assay, Market Revenue, by type (USD Million), 2014 - 2024
   4.3 Non-molecular Assay
      4.3.1 Non-molecular Assay Market Revenue, 2014 to 2024 (USD Million)
      4.3.2 Serological Assay
      4.3.2.1 Serological Assay Market Revenue, 2014 to 2024 (USD Million)
      4.3.3 MLC Assay
      4.3.3.1 MLC Assay Market Revenue, 2014 to 2024 (USD Million)

5 Transplant Diagnostics Product Outlook
   5.1 Transplant Diagnostic market revenue share by product, 2014 & 2024, % share
   5.2 Reagents and Consumables
      5.2.1 Reagents and Consumables Market Revenue, (USD Million), 2014 - 2024
   5.3 Instruments
      5.3.1 Instruments market revenue, 2014 to 2024 (USD Million)
   5.4 Services and Software Product
      5.4.1 Services and Software Market revenue, 2014 to 2024 (USD Million)
6 Transplant Diagnostic market Regional Outlook
6.1 Transplant Diagnostic market share, by region, 2014 & 2024.
6.2 North America
6.2.1 U.S.
6.2.2 Canada
6.3 Europe
6.3.1 UK
6.3.2 Germany
6.4 Asia Pacific
6.4.1 Japan
6.4.2 India
6.5 Latin America
6.5.1 Brazil
6.5.2 Mexico
6.6 Middle East and Africa (MEA)
6.6.1 South Africa

7 Competitive Landscape
7.1 Thermo Fisher Scientific, Inc.
7.1.1 Company Overview
7.1.2 Financial Performance
7.1.3 Product Benchmarking
7.1.4 Strategic Initiatives
7.2 Qiagen N.V.
7.2.1 Company Overview
7.2.2 Financial Performance
7.2.3 Product Benchmarking
7.2.4 Strategic Initiatives
7.3 Illumina, Inc.
7.3.1 Company Overview
7.3.2 Financial Performance
7.3.3 Product Benchmarking
7.3.4 Strategic Initiatives
7.4 F. Hoffmann La-Roche AG.
7.4.1 Company Overview
7.4.2 Financial Performance
7.4.3 Product Benchmarking
7.4.4 Strategic Initiatives
7.5 Abbott Laboratories, Inc.
7.5.1 Company Overview
7.5.2 Financial Performance
7.5.3 Product Benchmarking
7.5.4 Strategic Initiatives
7.6 Bio-Rad Laboratories, Inc.
7.6.1 Company Overview
7.6.2 Financial Performance
7.6.3 Product Benchmarking
7.6.4 Strategic Initiatives
7.7 Immucor Transplant Diagnostics, Inc.
7.7.1 Company Overview
7.7.2 Financial Performance
7.7.3 Product Benchmarking
7.7.4 Strategic Initiatives
7.8 Omixon Ltd.
7.8.1 Company Overview
7.8.2 Financial Performance
7.8.3 Product Benchmarking
7.8.4 Strategic Initiatives

List of Tables

Table 1 Transplant Diagnostic Market - Industry Snapshot & Key Buying Criteria, 2014 - 2024
Table 2 Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 3 Transplant Diagnostic Market Revenue, by Region, 2014 - 2024 (USD Million)
Table 4 Transplant Diagnostics - Key market driver analysis
Table 5 Transplant Diagnostics - Key market restraints analysis
Table 6 North America Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 7 North America Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 8 U.S. Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 9 U.S. Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 10 Canada Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 11 Canada Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 12 Europe Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 13 Europe Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 14 UK Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 15 UK Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 16 Germany Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 17 Germany Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 18 Asia Pacific Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 19 Asia Pacific Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 20 Japan Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 21 Japan Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 22 India Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 23 India Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 24 Latin America Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 25 Latin America Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 26 Brazil Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 27 Brazil Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 28 Mexico Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 29 Mexico Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 30 MEA Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 31 MEA Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)
Table 32 South Africa Transplant Diagnostic Market Revenue, by Technology, 2014 - 2024 (USD Million)
Table 33 South Africa Transplant Diagnostic Market Revenue, by Product, 2014 - 2024 (USD Million)

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3822911/](http://www.researchandmarkets.com/reports/3822911/)
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Transplant Diagnostic Market Analysis By Technology, By Product And Segment Forecasts To 2024
Web Address: http://www.researchandmarkets.com/reports/3822911/
Office Code: SCBRL5Y3

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td>☐</td>
<td>USD 4700</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td>☐</td>
<td>USD 8000</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td>☐</td>
<td>USD 10500</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information
Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer:
Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World