

Global Xenotransplantation Market Size, By Product Type (Organ Preservation Solution, Transplant Diagnostics, Xeno Products (Organ, Cell, Tissue), Others), By Application (Kidney, Heart, Liver, Lung, Others), By End-use (Transplant Centers, Hospitals, Others), and Regional Forecasts 2023-2032

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Abstracts

The Global Xenotransplantation Market was valued at approximately USD 29.9 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.9% over the forecast period 2024-2032. Xenotransplantation involves the transplantation of living cells, tissues, or organs from one species to another, primarily focusing on transferring animal organs or tissues into humans to address the shortage of human organs available for transplantation. The primary aim is to utilize non-human animal sources to replace or repair damaged or dysfunctional organs in human recipients. The rising demand for organ transplantation and the potential of xenotransplantation as a viable solution to address the organ shortage crisis will create substantial growth opportunities. The high demand for organ transplants, coupled with the scarcity of organ donors, leads to long waiting times and increased mortality rates, driving the growth of the xenotransplantation market.

Moreover, advancements in genetic engineering and organ preservation technologies are crucial drivers of market growth. Techniques such as CRISPR-Cas9 enable the creation of genetically engineered animals with organs more compatible with human recipients. Additionally, robotic-assisted surgery is anticipated to improve the precision and safety of xenotransplantation procedures, enhancing surgical outcomes and reducing post-operative complications. However, the market faces challenges such as stringent regulatory scenarios and a dearth of skilled professionals, which could impede



growth.

The key regions considered for the Global Xenotransplantation Market study include North America, Europe, Asia Pacific, Latin America, and Middle East and Africa. North America holds the largest market share, driven by the high prevalence of chronic diseases, significant investment in research and development, and favorable regulatory policies. The Asia-Pacific region is expected to witness rapid growth due to the increasing adoption of xenotransplantation, a growing number of transplant procedures, and rising awareness of organ donation.

and rising awareness of organ donation. Major market players included in this report are: Novartis AG Immerge BioTherapeutics, Inc. **United Therapeutics Corporation** Infigen, Inc. eGenesis, Inc. NZeno Limited Preservation Solutions, Inc. Xeno Transplants Corporation F. Hoffmann-La Roche Ltd. OrganOX Limited Tissera, Inc. Lung Biotechnology PBC

United Xenex

Enlivex Therapeutics Ltd.

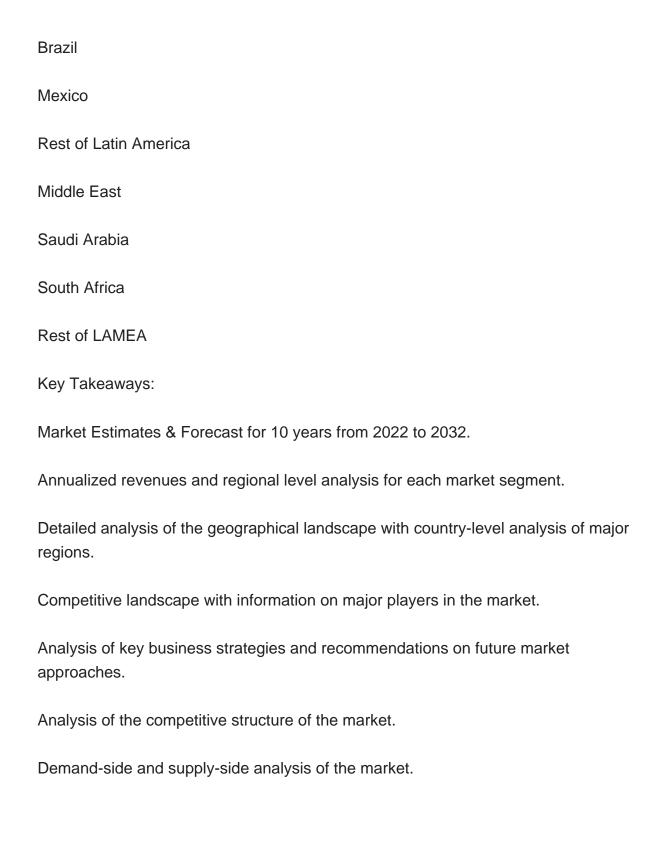


Biolife4D The detailed segments and sub-segment of the market are explained below: By Product Type: Organ Preservation Solution **Transplant Diagnostics** Xeno Products Organ Cell Tissue Others By Application: Kidney Heart Liver Lung Others By End-use: **Transplant Centers** Hospitals



Others
By Region:
North America
U.S.
Canada
Europe
France
Germany
UK
Spain
Italy
Rest of Europe
Asia-Pacific
India
China
Japan
South Korea
Australia
Rest of Asia-Pacific
Latin America







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