

Organ Preservation Market by Solution (UW, Custodial HTK, Perfadex), Technique (Static Cold Storage, Hypothermic, Normothermic), Organ (Kidneys, Liver, Heart), End User (Transplant Centers, Hospitals, Specialty Clinics) - Global Forecast to 2026

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Abstracts

The global organ preservation market is projected to reach USD 317 million by 2026 from USD 270 million in 2021, at a CAGR of 6.6%. Growth in this market is majorly driven by the increasing incidence of multi-organ failure, the growing geriatric population, the rising number of organ transplants and organ donors, and increasing initiatives to encourage organ donations.

However, concerns related to the high cost of organ transplantations and religious concerns in specific geographies are expected to limit the growth of this market to a certain extent.

“The University of Wisconsin (UW) holds the largest market share in the solution market.”

Based on the Solution, the segment is divided into UW, Custodial HTK, Perfadex and Other solutions (EuroCollins and Celsior). In 2020, the UW solution accounted for the largest share of the market. The UW solution is used for the flushing and storage of kidneys, liver, and pancreas. It was the first intracellular preservation medium, considered the gold standard for organ preservation.

“Normothermic Machine Perfusion is expected to register the highest CAGR in the forecast period.”

Normothermic machine perfusion marked the highest CAGR in the forecast period of 2021 to 2026. Normothermic perfusion is a technique that recreates the physiologic environment by maintaining average organ temperature and providing essential substrates for cellular metabolism, oxygenation, and nutrition. It is said to enhance the safety and efficacy of the organ and improve repair before transplantation. The normothermic technique is said to reduce the pro-inflammatory response in the liver and the risk of ischemic injuries while promoting graft regeneration. The possibility of long-term graft survival and reduced delayed graft functioning in organs of marginal quality (such as those from older donors) has made normothermic machine perfusion increasingly relevant.

Static cold storage and hypothermic machine perfusion are the other techniques involved in this segment.

“Kidneys hold the largest share in the market, by organ type.”

Kidneys accounts for a market share in the organ segment. Renal transplantation is considered the treatment of choice for patients with end-stage renal disease (ESRD) or kidney failure, diabetes, etc. are all cause for the growth of this segment. Other causes of ESRD in adult patients are polycystic kidney disease and glomerulonephritis. With the rising incidence of diabetes, the number of patients with ESRD or kidney failure is expected to increase, which will drive demand for kidney transplants. Moreover, improvements in graft survival and long-term graft function have made kidney transplantation a cost-effective alternative to dialysis. Major organs like Lungs, Liver, Kidney and Heart are a part of this segment.

“Transplant centers hold the largest share in the market, by end user.”

Based on end users, the organ preservation market is segmented into organ transplant centers, hospitals, and specialty clinics. In 2020, the organ transplant centers segment accounted for the largest share of the organ preservation market. The increasing number of transplant centers across the globe is the key factor driving the acceptance of this end-user segment and propelling the market growth.

“The Asia Pacific to witness the highest growth during the forecast period.”

Asia Pacific is expected to grow at the highest CAGR during the forecast period of 2021–2026. The major factors driving the growth of the Asia Pacific market include favorable government initiatives, increased awareness in people and increased organ

donations. Intensified public education, mobilization, and advancements in organ transplant technologies have improved the donation rate in China. In India, rapid improvements in the country's healthcare infrastructure have supported market growth while encouraging medical tourism. The willingness to donate organs in Japan has led to the improvement in organ donation despite religious issues.

Break of primary participants was as mentioned below:

By Company Type – Tier 1–35%, Tier 2–45%, and Tier 3–20%

By Designation – C-level–35%, Director-level–25%, Others–40%

By Region – North America–45%, Europe–30%, Asia Pacific–20%, Latin America- 3%, Middle East and Africa–2%

Key players in the Organ Preservation Market

The key players operating in the organ preservation market include Paragonix Technologies (US), XVIVO Perfusion AB (Sweden), Dr. Franz K?hler Chemie GmbH (Germany), Essential Pharmaceuticals, LLC (US), TransMedics (US), OrganOx Limited (UK), 21st Century Medicine (US), Shanghai Genext Medical Technology (China), Bridge to Life Limited (US), Waters Medical Systems (US), Preservation Solutions (US), Carnamedica (Poland), Transplant Biomedicals (Spain), Institut Georges Lopez (France), Global Transplant Solutions (US), Avionord (Italy), Organ Preservation Solutions (England), EBERS (Spain), S.A.L.F. (Italy), Biochefa (Poland), Vascular Perfusion Solutions (US), and TX Innovations (Netherlands).

Research Coverage:

The report analyzes the organ preservation market and aims at estimating the market size and future growth potential of this market based on various segments such as solution, technique, organ type, end user, and region. The report also includes a product portfolio matrix of various organ preservation products available in the market. The report also provides a competitive analysis of the key players in this market, along with their company profiles, product offerings, and key market strategies.

Reasons to Buy the Report

The report will enrich established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn would help them, garner a more significant share of the market. Firms purchasing the report could use one or any combination of the below-mentioned strategies to strengthen their position in the market.

This report provides insights into the following pointers:

Market Penetration: Comprehensive information on product portfolios offered by the top players in the global organ preservation market. The report analyzes this market by solution, technique, organ type, and end user.

Product Enhancement/Innovation: Detailed insights on upcoming trends and product launches in the global organ preservation market

Market Development: Comprehensive information on the lucrative emerging markets by solution, technique, organ type and end user

Market Diversification: Exhaustive information about new products or product enhancements, growing geographies, recent developments, and investments in the global organ preservation market

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings, competitive leadership mapping, and capabilities of leading players in the global organ preservation market.

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