

# **Global Organ Preservation Market Size Study & Forecast, By Technique (Static Cold Storage (SCS) Technique, Hypothermic Machine Perfusion, Normothermic Machine Perfusion) By Product Type (Preservation Solutions, Transport Systems, Others) By Organ Type (Kidneys, Liver, Lung, Heart, Others) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Organ Preservation Market is valued at approximately USD xx billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6.30% over the forecast period 2023-2030. Organ Preservation refers to the set of techniques and processes employed to maintain the viability and function of organs outside the body for a certain period. This is typically done to facilitate organ transplantation, where organs are removed from a donor and then preserved before being transplanted into a recipient. The Organ Preservation market is expanding because of factors such as the increasing geriatric population and the rising prevalence of chronic kidney disease. The goal of organ preservation is to prevent or minimize damage to the organs during the period they are outside the body, ensuring their functionality and suitability for transplantation. As a result, the demand for Organ Preservation has progressively increased in the global market during the forecast period 2023-2030.

Governments and healthcare organizations recognize the challenges associated with the aging population and often implement policies and initiatives to support organ transplantation programs. Increased funding and support for research and development in organ preservation technologies are likely to contribute to market growth. According to the World Health Organization indicates that the global population aged 60 and above is expected to double to around 2.1 billion by 2050. Moreover, those aged 80 and

beyond are anticipated to triple between 2020 and 2050, reaching a staggering 426 million. Another important factor that drives the Organ Preservation market is the increasing prevalence of chronic kidney disease. Organ shortage is a critical challenge in the field of transplantation. The gap between the number of patients in need of transplants and the availability of organs continues to widen. The rise in the number of cases of chronic kidney disease exacerbates the shortage of organs, particularly as more individuals advance to end-stage renal disease, necessitating organ transplantation. In addition, the Centers for Disease Control and Prevention have reported that 37 million Americans had chronic kidney disease in 2021. Similarly, according to a report published by the Indian Government's national health portal in July 2022, the prevalence of end-stage renal disease in India is causing a considerable increase in the number of new patients, expected to be around USD 0.22 million per year. Moreover, government initiatives toward organ donation campaigns and rising investments in advanced healthcare infrastructure are anticipated to create a lucrative growth opportunity for the market over the forecast period. However, the high cost associated with organ transplant procedures and stringent regulations related to organ donation and transplantation are going to impede overall market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Organ Preservation Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the rising number of chronic diseases in the region. The rising prevalence of chronic diseases prompts increased research and development in the field of organ preservation. Advances in preservation technologies, such as hypothermic and normothermic perfusion, can enhance the quality and duration of organ storage, making transplantation more successful and accessible. The region's dominant performance is anticipated to propel the overall demand for Organ Preservation. Furthermore, Asia Pacific is expected to grow fastest during the forecast period, owing to factors such as the rising number of geriatric populations in the region. The aging population has led to increased investments in healthcare research and technology. This has resulted in the development of more sophisticated and effective organ preservation techniques. As technology advances, the Organ Preservation market is likely to benefit from innovations that improve organ storage, transportation, and transplantation success rates.

Major market players included in this report are:

21st Century Medicine Inc.

Accord Healthcare Inc.

Organ Recovery Systems, Inc.

Organix Limited

Paragonix Technologies, Inc.

Preservation Solutions, Inc.

Transmedics, Inc.

Waters Medical Systems LLC

Xvivo Perfusion AB

Shanghai Genext Medical Technology Co., Ltd.

Recent Developments in the Market:

In November 2023, Paragonix Technologies, a pioneer in organ transplant solutions, established a comprehensive network for donor organ procurement, storage, and transportation. This development includes the establishment of seven strategically situated procurement hubs around the United States, which are intended to improve coordination and logistics for the transplant community. These hubs, which are designed to provide round-the-clock, on-demand support, are staffed by a team of over 50 prominent procurement specialists, including certified surgeons and preservationists committed to advancing the field of organ transplantation.

Global Organ Preservation Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Technique, Product Type, Organ Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define the market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters to detailed information about the crucial aspects such as driving factors & challenges that will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technique

Static Cold Storage (SCS) Technique

Hypothermic Machine Perfusion

Normothermic Machine Perfusion

By Product Type

Preservation Solutions

Transport Systems

Others

## By Organ Type

Kidneys

Liver

Lung

Heart

Others

## By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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