

North America Organ Preservation Solutions Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type [University of Wisconsin Solution (UW), Custodiol HTK, Perfadex, Hypothermosol, and Others], Application (Static Cold Storage, Hypothermic Machine Perfusion, Normothermic Machine Perfusion, and Others), Organ Type (Kidneys, Liver, Lungs, Heart, and Others), and End User (Organ Transplant Centers, Hospitals, and Specialty Clinics)

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Abstracts

The North America organ preservation solutions market is expected to grow from US\$ 120.36 Million in 2023 to US\$ 177.18 million by 2028. It is estimated to register a CAGR of 8.0% from 2023 to 2028.

Increasing Prevalence of Chronic Diseases Leading to Kidney Failure Fueling North America Organ Preservation Solutions Market Growth

A kidney transplant is the most common organ transplant globally. According to the Organ Procurement and Transplantation Network (OPTN), in 2021, 41,354 organ transplants were performed in the US, an increase of 5.9% over 2020. There were a total of 24,669 kidney transplants, 9,236 liver transplants, and 3,817 heart transplants.

Chronic kidney disease (CKD) is a common and potentially fatal condition that affects approximately one in every ten people worldwide. Additionally, a study published by the National Kidney Foundation predicted that the diabetic population over the age of 20 would develop chronic kidney disease over time.

The National Kidney Foundation reported that CKD is expected to kill more people in 2021 than prostate or breast cancer. It is a widely under-recognized emergency health condition.

According to the estimates given by the Centers for Disease Control and Prevention (CDC) in 2020, 1 in 3 adults with diabetes and 1 in 5 adults with high blood pressure might have chronic kidney disease. According to the CDC report issued in 2021, ~15% of people in the US suffer from chronic renal disease each year.

The National Kidney Foundation states that people with kidney damage are unaware of having chronic kidney disease, which indicates the underlying market potential in the kidney disease market. These factors are expected to enhance market growth during the forecast period.

North America Organ Preservation Solutions Market Overview

The North America organ preservation solution market is analyzed based on three major countries: the US, Canada, and Mexico. The US holds the largest share of the organ preservation solution market owing to factors such as the increasing organ transplantation and growing geriatric population.

In North America, the US is the largest market for organ preservation solutions. Increasing prevalence of chronic kidney diseases and growing geriatric population in the US are likely to accelerate the development of this market. For instance, according to the National Chronic Kidney Disease fact sheet, in 2021, ~37 million people had chronic kidney diseases in the US. Furthermore, according to the American Kidney Fund, Inc, ~810,000 Americans have kidney failure, of which 570,000 patients are undergoing dialysis, and 240,000 have undergone kidney transplantation. In addition, according to the CDC, chronic kidney disease (CKD) is more common in people aged 65 years or older (38%) than in people aged 45–64 years (12%) or 18–44 years (6%) with respect to the current estimate. Moreover, with the increasing prevalence of CKD in the US, CKD-related health problems worsen over time. It also increases the chances of having heart disease and stroke. Thus, owing to these facts, the cases of kidney transplantations are likely to increase in the coming years. Moreover, the rise in FDA approvals and the presence of the major market players in the region are boosting the market growth. For instance, in April 2022, TransMedics Group, Inc. received premarket U.S. Food and Drug Administration (FDA) approval of its OCS Heart System for use with organs from donors after circulatory death (DCD).

North America Organ Preservation Solution Market Revenue and Forecast to 2028 (US\$ Million)

North America Organ Preservation Solution Market Segmentation

The North America organ preservation solution market is segmented into type, application, organ type, end user, and country.

Based on type, the North America organ preservation solution market is segmented into University of Wisconsin solution, custodiol htk, perfadex, hypothermosol, and others. The University of Wisconsin solution segment registered the largest North America organ preservation solution market share in 2023.

Based on application, the North America organ preservation solution market is segmented into static cold storage, hypothermic machine perfusion, normothermic machine perfusion, and others. The static cold storage segment held the largest North America organ preservation solution market share in 2023.

Based on organ type, the North America organ preservation solutions market is segmented into kidneys, liver, lungs, heart, and others. The kidney segment held the largest North America organ preservation solution market share in 2023.

Based on end user, the North America organ preservation solutions market is segmented into organ transplant centers, hospitals, and specialty clinics. The organ transplant centers segment held the largest North America organ preservation solution market share in 2023.

Based on country, the North America organ preservation solutions market has been categorized into the US, Canada, and Mexico. The US dominated the North America organ preservation solutions market share in 2023.

21ST CENTURY MEDICINE; ACCORD HEALTHCARE; BRIDGE TO LIFE LTD; DR. FRANZ KOEHLER CHEMIE GMBH; LIFELINE SCIENTIFIC, INC; ORGANOX LIMITED; PARAGONIX TECHNOLOGIES, INC; PRESERVATION SOLUTIONS, INC.; TRANSMEDICS; WATERS MEDICAL SYSTEMS LLC; AND XVIVO PERFUSION ARE THE LEADING COMPANIES OPERATING IN THE NORTH AMERICA ORGAN PRESERVATION SOLUTIONS MARKET IN THE REGION.

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