PERFADEX® is a lightly buffered ‘extracellular’, (low [K+] ) colloid-based electrolyte preservation solution for rapid cooling, perfusion and storage of organs in connection with transplantation.

The composition of PERFADEX® has been specifically formulated to preserve the function and integrity of organs rich in endothelium, during flushing and cold ischemic storage, prior to transplantation and reperfusion.

The colloid component, Dextran 40 particularly protects the microvasculature against post-ischemic reperfusion injury, primarily by preventing pathological leukocyte-endothelial interaction. It also prevents edema formation during preservation. Numerous studies have shown that PERFADEX® enables safe preservation of lungs up to twelve hours depending upon the state of the organ during retrieval.

PERFADEX® was the first solution to be specifically cleared by the FDA for the preservation of human lung.

In the USA, the use of PERFADEX® for preservation of tissues and organs, other than lungs, has not been approved by the FDA.

Additives: Adjust to about pH 7.4 shortly before use by addition of 1 mmol THAM/TRIS (trometamol or tromethamine) per liter PERFADEX®. The solution should be kept chilled and used within 24 hours.

Shelf life: At least six months from date of shipment.

Intended use: Perfadex® solution for lung perfusion is indicated for the flushing, storage and transportation of isolated lungs after removal from the donor in preparation for eventual transplantation into a recipient.