

Current Heart Storage

Paragonix SherpaPak™

Prepare heart for transport

Isolation bags: not validated for heart preservation

Place heart in isolation bag. Add approved solution. Tie bag.

"Tying" top of bag: not validated to prevent solution loss or leakage

Place isolation bag in second isolation bag. Add ice slush or ice water per guidelines. Tie bag.

Ice slush mix: not validated to comply with solution's required temperature range

Place isolation bag in third isolation bag. Add ice slush or ice water per guidelines. Tie bag.

Ice chests: Not validated for heart preservation

Place isolation bags in cooler. Cover with ice slush or ice water per guidelines.

Concerns about fluid loss, sterility, temperature variance

Place heart in canisters. Add approved solution. Seal lid.

Two leakproof canister seals: validated and meet or exceed UNOS regulations

Insert cold packs. Put canisters in Paragonix SherpaPak™

All components: validated for cardiac preservation

Prepare heart for implantation

No information on control of temperature. Ischemic time not monitored.

Hypothermic management unknown

Liability for possible disease transmission if reused

Reprocess for pathogen disinfection

Restock cooler into inventory

Hypothermic management at 4-8°C

Temperature and ischemic time monitored and displayed

Single-use, disposable system