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## UPitt TriState SenNet TMC Lung Procurement

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TriState SenNet

Cellular Senescence Net...



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**We use this protocol and it's working**

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## Abstract

This document outlines the request for specimen procurement before arrival at the TriState SenNet TMC Biospecimen Core at the University of Pittsburgh, as part of the Cellular Senescence Network Program (SenNet).

## Requested processing protocol for Donation following Brain Death Declaration (DBD)

- 1 Organ Procurement Organization Recovery Team prepares for organ recovery as consistent with organ transplant protocol with cross clamp and in situ cold flush body cooling with minimal warm ischemic time.  
  
Includes flush with Perfadex or similar organ transplant buffer, until solution runs clear
- 2 Complete a minimum back-table lung flush with transplant buffer of 500ml into the pulmonary artery and 500ml into the pulmonary vein.  
  
Do not flush with saline.  
Do not wrap in surgical towel.
- 3 Staple, clamp, or tie the trachea closed prior to shipping.
- 4 Place Lung(s) in a Specimen Bag and submerge with chilled Perfadex or similar. Triple bag the tissue.

## Requested processing protocol for Donation following Cardiac Death /Arrest(DCD)

- 5 Organ Procurement Organization / Recovery Team prepares for organ recovery as quickly following Cardiac Arrest while in comfort care as authorized by next of kin.
- 6 Remainder of organ / tissue recovery should be as consistent with organ transplant protocol (section above) as possible.  
  
Includes organ flush with Perfadex or similar organ transplant buffer until solution runs clear.
- 7 All warm ischemic time is to be minimized and reported. Tissues may be accepted up to 6 hours WIT. Other WIT may be evaluated depending of the circumstances.