



nPOD Organ Recovery Protocol for Donors Ages 0-4

Organs and Tissues: Recover as if for transplant

1. *Pancreas and pancreatic lymph nodes:*
 - Intact pancreas and all peripancreatic fat
 - Attached duodenum may be stapled or tied closed at both ends and excised with pancreas
2. *Spleen* (whole organ preferred, but ½ is acceptable)
3. *Non-pancreatic lymph nodes:* 3-4
4. *Thymus* (if possible)
5. *Bone marrow* (if possible) (see nPOD recovery document page 3)

All organs are to be placed in chilled solution (UW or HTK or other comparable) and shipped via Quick/Sterling. If you are referring through a research intermediary, they will handle shipping and provide you with a copy of this nPOD protocol. If you are shipping directly, we will assist you with this process.

Blood tubes: Obtain **1 Red** top and **2 Yellow/Green** top tubes. Specific details below on line #7-8.

Detailed Recovery Instructions:

- 1) Please recover the entire pancreas with as much peripancreatic fat as possible (this will contain pancreatic lymph nodes)
- 2) The pancreas and peripancreatic fat will be excised with attached duodendum and spleen (whole spleen is preferred, but ½ is acceptable)
- 3) The duodenal bowel contents will be “milked” away from the pancreas as much as reasonably possible and then the duodenum will be tied off with a length of 4-6 cm space between rows, this will avoid cross contamination of the pancreas with bowel contents
- 4) Three (3) to four (4) non-pancreatic lymph nodes will be packaged separately in a conical tube with chilled UW or HTK (if possible); packaged separately in a conical tube with chilled UW or HTK
- 5) Recover whole thymus (if possible) and bone marrow (if possible) packaged separately in a conical tube with chilled UW or HTK
- 6) All specimens shall be placed in a container with chilled UW or HTK; specimens may be placed in NSS and maintained at 4C, if UW or HTK are not reasonably available
- 7) Blood, 1 red top and 2 yellow/green top tubes
- 8) **Blood containers must be placed inside the organ box, on top of the organ but not immersed in the ice to avoid freezing**
- 9) Package all tissues and materials just as one would for a transplant organ

It is imperative that the package be delivered to nPOD within 24 hours of cross clamp. At case completion, please contact the nPOD coordinator on call to arrange transportation at 352-273-8277 or 866-731-6585. Along with the tissues, please include in the box: Donor chart; medical social questioner; serology results including nPOD autoantibody screening (if applicable); consent/authorization for research along with the OPO organ recovery checklist below.

Please contact the nPOD administrative offices with any questions at (352) 273-8277



OPO Organ Recovery Checklist, Donors age 0-4 years

Please sign and include this form in the organ box.

By signing this form, you are acknowledging that the protocol requirements were followed and met. In the event the recovery outcome deviates from the nPOD Organ Recovery Protocol, please note it on this sheet to explain the deviation.

UNOS ID #: _____ OPO: _____

Please check that each item is placed within the research organ package:

- 1. **Pancreas:** and fat containing pancreatic lymph nodes:
 - a. Entire pancreas and all peripancreatic fat (surgical damage is acceptable, but must be reported to nPOD or research intermediary).
 - b. Attached duodenum tied closed at both ends and excised with pancreas.
- 2. **Spleen:** (whole organ preferred, but ½ is acceptable).
- 3. **Blood:** 1 red top and 2 yellow/green top tubes.
- 4. **Non-pancreatic lymph nodes:** 3-4 nodes (mesenteric, inguinal or any other site). Please label recovery location (if known) for these nodes.
- 5. **Thymus:** (if possible).
- 6. **Bone marrow:** (see nPOD recovery document, page 3) (if possible).
- 7. Lots of **wet ice** and triple bag packaging as described in the protocol.
- 8. This **checklist**.
- 9. Additional notes _____

Confirmed by:

OPO Coordinator First, Last Name Date

Please complete, sign, and include this form in the organ box or email to kreis@ufl.edu at case completion

Notify nPOD’s On-Call Coordinator of any surgical damage, anatomical anomalies, or any other variance from the recovery protocol prior to recovery or shipping the organ.

1-866-731-6585 or 352-273-8277

Bone Marrow Recovery Protocol

Supplies Needed:

- Scalpel, Osteotome or other sharp surgical instrument
- Sterile specimen cup

Sternal Bone Marrow Recovery Instructions:

- Using a scalpel or some other sharp instrument, scrape approximately a tablespoon (15 to 20 grams) size sample of bone marrow from the sternum and place in sterile jar.
- Add storage medium (HTK or UW) to make a combination total of bone marrow and solution of 100 ml.

Packaging Instructions

- Place container in a large plastic bag and tie shut to prevent any potential fluid leaks.
- Line a Styrofoam shipper with a bag and fill with ice.
- Place the smaller bag containing the bone marrow within the Styrofoam shipper with the pancreas and other tissues.
- Tie the liner bag tightly.
- Seal the lid of the Styrofoam container and label with UNOS ID #/ Bone Marrow Specimen.