

**Maine Medical Center
Maine Transplant Program
Policies and Procedures
Living Donor Specimen and Storage Requirements Policy**

Purpose

To outline the Maine Transplant Program Policy and Procedure for the collection and storage of living donor specimens within 24 hours prior to organ recovery.

Policy

- Per OPTN Policy 14.8.B, the recovery hospital must obtain specimens appropriate for serological and NAT testing within 24 hours prior to organ recovery.
- The recovery hospital is responsible for arranging storage of these specimens for at least 10 years after the date of transplant and ensuring these samples are available for retrospective testing.
- The recovery hospital must document the type of sample in the living donor medical record.

Procedures

1. A Miscellaneous Order for day of surgery (one Red Top 6 mL, one Lavender Top, 6 mL) blood sample draw will be entered in the PREOP Living Donor Order set.
2. The Living Donor Coordinator will create blood specimen label(s) including the following: Patient's name, DOB, MRN, UNOS ID#, date and time of specimen collection.
3. Blood samples (one Red Top 6 mL, one Lavender Top, 6 mL) will be drawn in ASU by either nursing or anesthesia staff. Living donor coordinator will take possession of blood sample and will bring it back to the Maine Transplant Program to be shipped by courier to HLA lab in Scarborough on the same day.
4. The Living Donor Coordinator will document into Epic (Clinical Update – SmartPhrase) that the living donor serological and NAT testing sample was drawn within 24 hours PRIOR to organ recovery in the OR. This will be done day of surgery in ASU prior to OR start time.
5. The HLA Lab will process the living donor blood samples on the same day of the draw, and will store serum and plasma specimens in a new vial with proper labeling (extra labels provided). Two specimens will be stored per PHS 2020 Guideline recommendation. Serum and plasma specimen storage will be done on a minus 80 degrees Celsius freezer. Specimens will be kept for at least 10 years.
6. A Living Donor Storage Sample Log will be maintained by the HLA Laboratory staff, and its accuracy will be monitored on a monthly basis (to be done by the Living Donor Coordinator and HLA Lab Director).

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This policy was reviewed and approved at LD QAPI on 4/26/21

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