

Clinical Process Instruction Manual

Archival Blood Samples Process Instruction

Policy:

Trillium Gift of Life Network (TGLN) collects archival blood samples for purposes related to the safety of transplantation. TGLN obtains and stores donor archival blood samples as per the *Health Canada Guidance Document*. The validity of a sample from a donor exposed to intravenous (IV) fluid administration is confirmed through a hemodilution calculation, as per *Hemodilution Calculation Process Instruction, CPI-9-210*.

Archival blood samples are collected for all organ donors and sent to the lab responsible for testing STAT serology. In the case of out-of-province recipients, archival blood is collected and sent to the regional lab that is responsible for serology testing where the organ is being transplanted after recovery of organs.

The Organ and Tissue Donation Coordinator (OTDC) is responsible for obtaining archival blood samples. In the event that the OTDC is unable to do this, the Surgical Recovery Coordinator (SRC) will be responsible for collecting all specimens prior to recovery.

Archived samples are stored and available for at minimum 10 years after the date of transplantation at its place of storage (the lab in which initial infectious disease testing was conducted. See *Laboratory Profiles* on the Online Resource Centre (ORC).

Process:

1. The OTDC arranges for collection of archival blood samples.
2. The OTDC labels the blood tubes with the TGLN identification number, donor date of birth and time of blood draw. No other identifying information is specified on the label.
3. The OTDC or designate packages the specimens appropriately using the green bags and arranges delivery to appropriate lab. See *Laboratory Profiles* on the ORC.
4. For all out of province donors, the SRC or designate delivers the sample to the appropriate lab. See *Laboratory Profiles* on the ORC.
5. The lab will indicate in iTransplant if an archival sample was received.
6. If the archival blood sample must be accessed, the CSC will document reasons for archival blood sample release in the donor chart.

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Records:

Record Name	Form No. (if applicable)	Record Holder	Record Location	Record Retention Time (as a minimum)
Assessment Form: Organ/Combined Organ and Tissue Donor	CSF-9-15	PRC	PRC	16 years
Assessment Form: Tissue Donor	CSF-9-16	PRC	PRC	16 years

References:

- *Hemodilution Calculation Process Instruction, CPI-9-210*
- *Lab Profiles on the ORC*
- *Basic Safety Requirements for Human Cells, Tissues and Organs for Transplantation. Requirements, Guidance Document, Health Canada, July 2005*
- *CSA Standards- Cells, Tissues and Organs for Transplantation and Assisted Reproduction: General Requirements*
- *CSA Standards- Perfusable Organs for Transplantation*