

HSC.39219 Donor Typing for Solid Organ Transplant**Phase I**

Donor materials obtained pre-organ recovery are used whenever possible for donor HLA typing and recipient serum screening.

NOTE: Organ donors should be HLA-typed from any acceptable source of viable lymphocytes. Whenever possible, pre-organ recovery HLA testing and screening crossmatches should be done.

Evidence of Compliance:

- ✓ Record of typing and screening on pre-organ donor materials, when possible

HSC.39406 Donor and Recipient HLA Typing**Phase II**

The HLA laboratory types all potential recipients and donors referred to the laboratory, and follows policies defining when HLA retyping and redefinition are required.

Evidence of Compliance:

- ✓ Records of all HLA typing

REFERENCES

- 1) Department of Health and Human Services, Centers for Medicare and Medicaid Services. Clinical laboratory improvement amendments of 1988; final rule. *Fed Register*. 2003(Jan 24):7170 [42CFR493.1278]

HSC.39410 HLA Typing Post Transfusion**Phase II**

The laboratory has a defined process for actions to be taken when a donor or patient cannot be reliably HLA typed after transfusion.

NOTE: Transfusions may result in detection of additional HLA antigens and/or alleles in donor or patient samples. Alternative source typing material (eg, buccal swab, lymph node or spleen) may be considered if more than two antigens are detected for a locus or alleles cannot be discriminated. Typing must be performed at the level of resolution required for the transplant service being supported.

HSC.39415 HLA Typing Level**Phase II**

The laboratory performs HLA typing at least to the minimal resolution appropriate for the individual transplant program supported (eg, 2-field typing for hematopoietic progenitor cell transplantation, when appropriate, and the level of serological splits for solid organ transplantation).

Evidence of Compliance:

- ✓ Patient reports and typing records

REFERENCES

- 1) Nunes E., et al. Definitions of histocompatibility typing terms: Harmonization of Histocompatibility Typing Terms Working Group. *Hum Immunol*. 2011; 72(12):1214-6; *Blood* 2011; 118:e180-3.
- 2) Organ Procurement and Transplantation Network (OPTN) Policies. Policy 4: Histocompatibility. US Department of Health and Human Services. Effective Date: December 5, 2022.
- 3) National Marrow Donor Program. NMDP Policy for HLA Confirmatory Typing Requirements for Unrelated Adult Donors and HLA Typing Requirement for Patients. Document Number: P00079. Effective date: February 27, 2021.

****REVISED** 12/26/2024****HSC.39430 Written Agreements****Phase II**

There are written agreements for histocompatibility testing with each transplant program, organ procurement organization (OPO), or donor registry served by the laboratory, unless clinical urgency prevents such an agreement.