

Guidelines for Subsequent Donations

These guidelines concern situations where a donor is asked to provide a subsequent donation for the same recipient the donor previously donated bone marrow or peripheral blood stem cells (PBSC) to, or when asked to donate to another patient. The guidelines address only requests for subsequent donation of bone marrow, PBSC, nonmobilised mononuclear cell leukapheresis or whole blood units.

A donor may donate cells three times. Stem cells can only be donated twice.

Time Intervals between First Donation and Second Donation

		First Donation	
		Bone Marrow	PBSC
Second Donation	Bone Marrow	4 weeks	4 weeks
	PBSC	4 weeks	4 weeks*
	Nonmobilised Leukapheresis (LA)	4 weeks	4 weeks
	Whole Blood Collection	4 weeks	2 weeks

* A second PBSC donation should not take place if the donor was a "non-mobiliser" at the time of first donation.

Time Intervals between Second Donation and Third Donation

		Second Donation			
		Bone Marrow	PBSC	LA	Whole Blood
Third Donation	Bone Marrow	Not allowed	Not allowed	4 weeks	4 weeks
	PBSC	Not allowed	Not allowed	4 weeks*	4 weeks*
	LA	4 weeks	4 weeks	4 weeks	2 weeks
	Whole Blood	4 weeks	2 weeks	2 weeks	2 weeks

Specific Laboratory Requirements Prior to Second and Third Donation

		Donation Type			
		Bone Marrow	PBSC	LA	Whole Blood
Laboratory Test	White Blood Count	Normal	Normal	Normal	N/A*
	Lymphocyte Count	>1x10 ⁹ /L	>1x10 ⁹ /L	>1x10 ⁹ /L	>1x10 ⁹ /L
	Hemoglobin Level	>12gm/dL	>10gm/dL	>10gm/dL	>12gm/dL
	Platelet Count	Normal	Normal	Normal	N/A*

* Not applicable or required.

Specific Requirements for Unmobilized Leukapheresis

- The cell dose requested must be achievable by processing no more than 4-5 donor blood volume (estimated at 60-70 ml per kg donor body weight). One can anticipate a collection yield of approx. 1x10⁹ mononuclear cells per liter of blood processed.
- Maximum donor blood volume processed is 24 L.

Requests that do not conform to this guideline may still be submitted. Transplant physicians will be required to provide a justification for such requests. Justifications will be reviewed for approval by the registry's or collection center's medical doctor or the Medical Review Board.