

A. Workup Request Submission

All Workup requests to BMDP must be submitted using BMDP forms. Please submit the following documents to donorcentre@bmdp.org:

1. BMDP Workup Request and Prescription Form
2. BMDP Previous Transplant History Form (Only if patient had previous transplant)
3. Donor HLA Typing Laboratory Report
4. Patient HLA Typing Laboratory Report

Once a workup request has been activated for a donor, he or she will be reserved for the patient for a maximum of 1 year. An extension may be requested on a case-by-case basis.

B. Subsequent Donation Request Submission

For subsequent donation request, please submit the following documents to donorcentre@bmdp.org:

1. BMDP Workup Request and Prescription Form
2. BMDP Previous Transplant History Form
3. Donor HLA Typing Laboratory Report
4. Patient HLA Typing Laboratory Report

C. Workup IDMs

The following is the list of standard infectious disease markers that will be performed at BMDP Workup. If you require any additional tests not in this list to be done at workup, please indicate under “Additional Remarks” of the BMDP Workup Request and Prescription form. BMDP will inform you on the turn-around time and the additional charges that will apply. If additional test requested cannot be performed, pre-collection blood samples up to 50ml can be collected from the donor and samples will be shipped to TC. Donors will also be tested for local diseases that are important to consider in HSC transplants. Donors who have recently traveled abroad shall also be assessed for infectious diseases prevalent in those travel regions.

- a. Hepatitis B Virus (HBsAg, Anti-HBc, Anti-HBs, NAT HBV)
- b. Hepatitis C Virus (Anti-HCV, NAT HCV)
- c. Human T-Lymphotropic Virus (Anti-HTLV I, Anti-HTLV II)
- d. Human Immunodeficiency Virus (Anti-HIV1 and 2, NAT HIV)
- e. Syphilis (Syphilis TP Ab)
- f. Cytomegalovirus (CMV IgG, CMV IgM)
- g. Herpes Simplex Virus (HSV type I IgG, HSV type II IgG)
- h. Varicella Zoster Virus (VZV IgG)

D. Workup Criteria

The following criteria must be met before BMDP allow donor to undergo a collection:

- i. TC has been verified to be affiliated with WMDA.
- ii. VT has been carried out and the donor is confirmed as a match.
- iii. Formal request for stem cell collection has been received from the TC on appropriate completed BMDP forms.
- iv. Request has been reviewed for completeness and accuracy. Only a maximum of 50ml additional donor blood samples can each be requested for pre-collection samples and day collection samples.
- v. Donor workup is conducted and cleared, and the results are reviewed for completeness and accuracy.
- vi. All necessary consent forms have been completed.

E. Information on subsequent donation

After a BM or PBSC transplant, the donor will be “reserved” for the particular patient for 2 years. TC may request for a second donation of blood stem cells (BM or PBSC) or donation of lymphocytes. TC must provide a clinical justification for the subsequent donation.

The minimum time intervals between the first and subsequent donation is 4 weeks. A second donation of HPC (PBSC) must not be undertaken if the donor was a non-mobiliser at the time of the first donation.

BMDP donors may donate their blood stem cells a total of two times, either for the same patient or for two different patients. The two donations may be two BM or two PBSC or a combination of both. After one donation, donors are unavailable to any other patient for a two-year period but will be available for Lymphocyte donation to the same patient if necessary. If second blood stem cell donation do not commence within the two-year period, donor will be released back into the register. After two blood stem cell donations, donors will be permanently removed from the register but remain available for Lymphocyte donation for the last patient they donated to.

The donor will go through a full workup medical assessment (excluding chest X-Ray if conducted less than 6 months from first assessment) at the collection centre before the second donation. The donor must be counselled by the collection centre’s physician and consent taken before the second donation.

F. Backup Donors Policy

A backup donor may be requested from BMDP but not allowed to undergo workup concurrently as the primary donor, unless:

- i. There is uncertainty of primary donor’s availability to donate.
- ii. It is confirmed that the primary donor is not proceeding with donation or G-CSF where applicable.