

Title:

**SECTION 13.0 NZBMDR STANDARDS**  
**REQUEST FOR SECOND OR SUBSEQUENT**  
**DONATION OF BONE MARROW, G-CSF STIMULATED**  
**PERIPHERAL BLOOD STEM CELLS OR DONOR**  
**PERIPHERAL BLOOD LYMPHOCYTES**

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### FORMS

Previous Transplant History and Formal Request for Subsequent Stem Cell or Lymphocyte Collection	Form ST01
Prescription for Donor Peripheral Blood Lymphocyte Collection	Form BLY01
Verification for Cell Product Collection	Form GC002
Intent to Donate Peripheral Blood Lymphocytes	Form BLY03
Lymphocyte Collection Report	Form BLY04
Patient Progress Report	Form PP001

**SECTION 13.0 NZBMDR STANDARDS  
REQUEST FOR SECOND OR SUBSEQUENT DONATION OF  
BONE MARROW, G-CSF STIMULATED PERIPHERAL BLOOD  
STEM CELLS OR DONOR PERIPHERAL BLOOD  
LYMPHOCYTES**

With changing approaches to treatment it is likely that greater demands will be made of donors for second and even third donations of Haemopoietic stem cells, platelets, unstimulated leucocytes or whole blood.

The possibility of a second or subsequent collection of stem cells must be covered at the original donor 'Workup'.

All requests for second or subsequent donation must be made through NZBMDR

### 13.1 Request and Approval Procedure

**Form ST01 Previous Transplant History and Formal Request for Subsequent Stem Cell or Lymphocyte Collection** should be submitted together with

**Form HPC** request for Human Stem cell Collection or

**Form BLY01** Prescription for Donor Lymphocyte Collection.

All requests for a second or subsequent donation must be examined by a panel composed of the NZBMDR Medical Director, and two senior HPC Physicians from different transplant centres. The Chairman of the National Bone Marrow Transplant Committee can substitute for the Medical Director if required, or if there is a conflict of interest, to make a panel of three.

The number of subsequent donations by a donor for the same recipient should not exceed two of either HPC (A) or HPC (M) or a combination of both

A second donation of PBSC should not be undertaken if the donor was a “non-mobilizer” at the time of the first donation

The lifetime maximum for marrow donation is twice

Donors should not donate marrow or PBSC for a second recipient unless no other donor is available worldwide.

A donor should not be available to donate HPC for a second recipient until at least one year has elapsed since the first HPC donation

- **The physician treating the patient must be excluded from the review panel.**
- On receipt of the request from the transplant physician, the NZBMDR Executive Officer will circulate written details to the members of the review panel. Decisions on such requests should be made within forty-eight (48) hours if at all possible.
- Approval by the panel of three is required **before an approach to the donor** is made about subsequent donations.
- A clear-cut division between Donor and Transplant Centres must be maintained especially where a NZ donor and NZ recipient are in the same District Health Board

- If the request is approved, NZBMDR will approach the donor. (NZBMDR standards, for the assessment, counselling, and follow up of the donor and collection of stem cells or blood products, must be followed.)
- The third party physician responsible for the donor workup must be satisfied the donor has a good understanding of the procedure, and the risks involved.
- The donor must be given ample time to make his / her decision and be free to ask any questions to which all answers must be freely given. The donor must not be put under any pressure and must feel free to decline.
- The patient status, need for a further donation of blood products, and the chance of success should be discussed with the donor at workup

### **13.2 Medical Assessment required of the Donor**

In the event of the request being made within three months of the transplant it may not be necessary to repeat the third party haematological assessment; however this will be a decision made by the Medical Director and the Collection Centre on a case by case basis. Virology testing must be repeated within thirty days of collection

#### **13.2.1 Donation of Bone Marrow**

**The following forms must be completed.**

As for a first donation of bone marrow (refer: Section 11.2).

Form HPC Request for Human Stem Cell Collection  
Form 43 Interpretation of Third Party Physical Examination at Workup  
Form 50 Donor Infectious Disease Markers at Workup  
Form GMA Medical Assessment at Workup  
Form GC002 Verification of Cell Product Collection  
Form B Intent to Donate  
Form 60 Bone Marrow Collection Form  
Form 61 Donor Hospitalisation Record

#### **13.2.2 Donation of G-CSF Stimulated Peripheral Blood Stem Cells (HPC, Apheresis)**

**The Following forms must be completed**

As for a first donation of G-CSF Stimulated Peripheral Blood Stem Cells (refer: Section 12.0)

Form HPC Request for Human Stem Cell Collection  
Form 43 Interpretation of Third Party Physical Examination at Workup  
Form 50 Donor Infectious Disease Markers at Workup  
Form GMA Medical Assessment at Workup  
Form G Consent Intent to Donate  
Form GB Consent to donate Marrow if donor does not mobilise  
Form GC002, Verification of Cell Product Collection  
Form G Collection report

### **13.2.3 Donation of Peripheral Blood Lymphocytes**

#### **The following forms must be completed**

Form BLY01, Request for Donor Lymphocyte Collection  
Form 43 Interpretation of Third Party Physical Examination at Workup  
Form 50 Donor Infectious Disease Markers at Workup  
Form GMA Medical Assessment at Workup  
Form GC002, Verification of Cell Product Collection  
Form BLY03, Intent to Donate  
Form BLY04 Collection Report

### **13.3 Provision of and Administration of GSCF**

NZBMDR will arrange for the supply and administration of GSCF.

### **13.4 Time interval after donating HPC, Marrow, HPC, Apheresis or Lymphocytes before regularly donating blood.**

After a bone marrow donation - six (6) months  
After a G-CSF stimulated stem cell donation - six (6) months  
After donating unstimulated Lymphocytes – three (3) months.  
All donors must have reported complete recovery on the donor follow up forms

### **13.5 PATIENT PROGRESS INFORMATION FOR DONORS**

Many donors like to have some feedback as to the patient's progress post-transplant. Form PP01 should be used for this purpose.

**Refer: Form PP01: Patient Progress Report**