

Directed Donation Information

Community Blood Center of Dayton (CBC) offers Directed donation for medically appropriate donors. However, CBC discourages non-medically indicated direct donation. It is especially important to avoid collection of blood for the purpose of transfusion into genetically related recipients or for transfusion from a male to a female sexual partner. The reasons it is discouraged is discussed below.

Directed donation is indicated in several situations but these situations are rare, and the ordering physician should indicate why the directed donation is appropriate.

Medically indicated conditions include but are not limited to the following:

Neonatal alloimmune thrombocytopenia: Mothers may need to donate platelets for intrauterine transfusion or transfusion to a newborn.

Rare red blood cell antibodies or phenotype: If a directed donor is one of a very limited number of donors that are compatible with a recipient these blood products should be irradiated to prevent transfusion associated graft vs host disease. This adverse event is almost uniformly fatal for the blood recipient and mitigation of this complication can be accomplished by irradiation of the donated unit.

Multiple sequential transfusions: Patients (especially infants and children) who expect to be serially transfused and in whom alloimmunization could create difficulty in treating the patient in the future. Limiting the number of donor exposures can be important to these patients.

IgA Deficiency: Recipients with IgA deficiency may be at risk of severe anaphylactic reactions when receiving blood form non-IgA deficient donors.

Risks of Directed Transfusion:

Transfusion-transmitted Infection Risk: A basic tenant of transfusion therapy is donor altruism. It has long been recognized that donors that have a perceived or actual benefit from donation have a greater reticence to give information that could be disqualifying for blood donation. This reluctance is even greater when the donation is being “asked for” by individuals know to the donor. Sometimes donors feel pressured to give inaccurate answers to the donor questionnaire because they do not want to be discovered as not being eligible to donate. Reports state that the positive rate of infectious disease tests done on blood donors is slightly higher than that of random blood donors.

Transfusion Associated Graft vs Host Disease: Requires irradiation of blood product as described above.

Alloimmunization: Antibodies formed to donor HLA type may prohibit a future organ or marrow donation from the directed donor.

Decreased Expediency: Processing time for directed donations can delay transfusion up to five days.

Finally directed donations are rarely done and the risk of error in processing, storage and administration of products is greater than in routine allogenic transfusions.

Directed Donation Process

Allow five working days between donation and intended transfusion, Monday through Friday excluding holidays. Allow seven days for units being shipped out of service area.

A. PHYSICIAN:

1. Forward completed CS-404-F-01, Physician's Order for Directed Blood Donations, to Community Blood Center. This form may be obtained at Community Blood Center, any area hospital blood bank, or at cbccts.org, under Resources, Hospital Forms.
2. Confirmation of the patient's ABO/Rh is required prior to drawing donors.
3. If a directed donation is requested, please contact a CBC physician at 937-461-3450 for consultation.
4. If directed donation is indicated, instruct patient or patient designee to call Community Blood Center, 937-461-3214, for further information about the directed donation process.

B. PATIENT:

1. Contact Collection Services at Community Blood Center, 937-461-3214, or 1-800-388-4483, ext. 3214 for more information or to set up appointments.
2. Read and complete all information requested on CS-404-F-02, Patient Request, Consent, and Release for Directed Blood Donations, and sign the form. A parent or legal guardian must sign and forward form to Community Blood Center, if the patient is a minor. Parent or guardian must identify their relationship to the patient.
3. Confirm or have ABO/Rh typing done.
4. Provide Collection Services with donor(s) full name, date of birth and relationship of donor to patient. This information may be listed on CS-404-F-03, Directed Donor Information.

It is recommended that you schedule one more donor than the number of units required.

5. Have donor call Collection Services for appointment.
 - a. Allow five working days after the donation, for units to be processed and available for transfusion, Monday through Friday, excluding holidays. Allow seven days for units being shipped out of service area.
6. If for any reason a donor is found to be ineligible to donate or the unit is unsuitable for transfusion, only the ordering physician and the donor will be notified. Medical confidentiality protects this information.

7. Occasionally blood collected and prepared for transfusion may not be available due to breakage, contamination or other unforeseen problems. You will be notified if this occurs.
8. Women of child-bearing age should not be recipients of blood donated by their children, husband, or husband's blood relatives as this could adversely affect future pregnancies should red cell antibodies form.
9. Patients contemplating a bone marrow transplant should not receive donations from family members.
10. Directed units that are not used by the intended recipient are not crossed over to the volunteer donor supply.
11. Directed donations require special handling and there are specific fees charged to you to cover the cost of this special handling. These fees will be discussed with you when you contact Community Blood Center.

C. DONORS:

1. Schedule an appointment at 937-461-3214 or 1-800-388-4483, ext. 3214. No collection will be undertaken without a pre-scheduled appointment. Appointments will be scheduled by Collection Services, according to availability, anticipated transfusion date, and the type(s) of products needed. You must donate at least five days prior to the anticipated day of transfusion, exclusive of weekends and holidays. Allow seven days if blood is being shipped out of service area.
2. Must meet all donor eligibility requirements applicable to all volunteer blood donors.
3. Bring a picture ID, preferably a driver's license or other government issued ID. You must have this ID to donate.
4. Bring confirmation of your blood type. If you have donated previously with CBC, your blood type will be on record. ABO/Rh typing must be performed prior to donation if no confirmation is available.

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