Navigating the Path to Mobilized Blood PRODUCTS

At HemaCare, we understand that the process of stem cell mobilization is intricate and must be managed continuously and closely to ensure a successful collection and the safety of our donors. Donors are treated with G-CSF, plerixafor, or a combination thereof to encourage the movement of hematopoietic stem cells from the bone marrow into the peripheral circulation. Once in the circulation, they can be collected using minimally invasive apheresis techniques. Having performed over 300,000 apheresis collections and with more than 250 years of combined clinical experience, trust us to navigate the difficult journey from donor selection to final product.

Donor Recruitment

1. Donor Identification
   Recruitment based on reliability and successful prior apheresis collection. A backup donor is recommended.

2. Donor Qualification
   Donor presents to donor center, completes a health questionnaire, and clears a vitals check.

3. Donor Screening
   Samples are drawn for blood screen and urinalysis. CBC qualification and physical exam performed by qualified nursing staff and medical director.

4. Donor Clearance
   Donor presents to donor services and completes a donor questionnaire and a vitals check. Sample drawn for CBC. MD must clear for apheresis based on vitals, questionnaire, and CBC.

5. Doctor’s Order
   Doctor’s order obtained for dosage of mobilizing agents for the donor.

6. Donor Assigned
   Recruitment assigns donor to collection.

7. Donor Clearance
   Questionnaires and physical exam are completed to ensure donor safety before proceeding with the first dose.

8. Dosing
   Donors are dosed per the requested regimen. With each dosing, the donor is assessed by a RN to ensure blood safety to continue with the dosing regimen.

9. Donor Clearance
   Donor presents to donor services and completes a donor questionnaire and a vitals check. Sample drawn for CBC. MD must clear for apheresis based on vitals, questionnaire, and CBC.

10. Apheresis
    Apheresis collection is approximately 5-6 hours. Donor is monitored for safety and purity of bag.

Sample Collection

9. Donor Clearance
   Donor presents to donor services and completes a donor questionnaire and a vitals check. Sample drawn for CBC. MD must clear for apheresis based on vitals, questionnaire, and CBC.

11. Processing
    Collection is sent to on-site laboratory for processing. Collections are cryopreserved upon request.

12. Packaging and Shipping
    Mobilized products are prepped for shipment in appropriate containers to maintain product viability during the duration of the shipment.

Final Product

A healthy, happy donor pool is the foundation of a mobilized product

HemaCare develops close relationships with its donors ensuring a healthy, diverse donor pool that is recallable and reliable. We are continuously and proactively developing new donor relationships through committed donor recruitment efforts and community outreach.

Learn more at hемасаrе.com

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