Primary Cells

Human Mobilized Peripheral Blood Leukopak, G-CSF, Fresh

STEMCELL™ TECHNOLOGIES
Scientists Helping Scientists™ | WWW.STEMCELL.COM
TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713
INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM
FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

Product Description

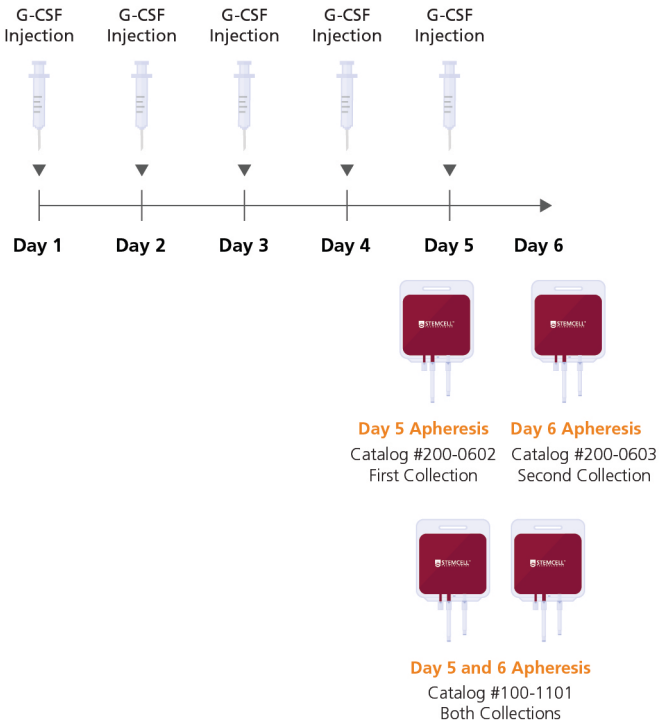
Normal donors are mobilized with 5 doses of granulocyte colony-stimulating factor (G-CSF) at a concentration of up to 10 µg/kg/dose prior to collection. Leukapheresis is then performed on these donors using Institutional Review Board (IRB)-approved consent forms and protocols. Up to two blood volumes are processed using the Spectra Optia® Apheresis System to produce a full-sized leukopak.

Donor Status:	Mobilized with G-CSF
Characterization Criteria:	Donor virus testing, age, sex, ethnicity, weight, height, smoking status, health status
Format:	Product is drawn directly into a sample collection bag containing anticoagulant.
Anticoagulant:	Acid-citrate-dextrose solution A (ACDA)

For donor details, refer to the lot-specific Certificate of Analysis.

Schematic of G-CSF mobilization and leukapheresis schedule

Five-day mobilization regimen



Ordering Information

FIVE-DAY MOBILIZATION REGIMEN		
COLLECTION	APHERESIS	CATALOG #
First Collection	Day 5	200-0602
Second Collection	Day 6	200-0603
Both Collections	Day 5 and 6	100-1101

Stability and Storage

Product is shipped at 2 - 8°C and should be used or processed immediately upon receipt.

Precautions

Donor Screening: Donors are screened for HIV-1, HIV-2, hepatitis B, hepatitis C, HTLV-I/-II, Syphilis, and WNV.

If the donor has been screened within 90 days of donation, the product will be shipped with negative test results from donor screening.

Donors have been tested and found to be negative for HIV-1, HIV-2, hepatitis B, hepatitis C, HTLV-I/-II, Syphilis, and WNV prior to donation. As testing cannot completely guarantee that the donor was virus-free, THIS PRODUCT SHOULD BE TREATED AS POTENTIALLY INFECTIOUS and only used following appropriate handling precautions, such as those described in biological safety level 2. When handling this product, do not use sharps, such as needles and syringes.

STEMCELL cannot guarantee the biological function, or any other properties associated with performance of cells in a researcher's individual assay, or culture systems.

FOR IN VITRO RESEARCH USE ONLY. NOT APPROVED FOR DIAGNOSTIC, THERAPEUTIC, OR CLINICAL APPLICATIONS.
NOT APPROVED FOR HUMAN OR VETERINARY USE IN VIVO.

Directions for Use

IMPORTANT: To determine the number of cells provided, a cell count must be done upon receipt and before any processing steps (e.g. washing). Cell loss is expected during wash steps and may be up to 30%. Use sterile technique when processing cells.

Remove a 20 µL aliquot of cells for counting. Appropriately dilute in Trypan Blue (to assess viability) or 3% Acetic Acid with Methylene Blue (to assess nucleated cells). For most Leukopak samples, a dilution of 1 in 100 is sufficient. Adjust the dilution if there are more than 100 cells per square of the hemocytometer. See Notes and Tips section for more details on performing cell counts with a hemocytometer.

NOTE: SepMate™ tubes are not intended for use with leukapheresis samples.

Notes and Tips

For a protocol on performing total nucleated cell counts using a hemocytometer, refer to https://www.stemcell.com/how-to-count-cells-with-a-hemocytometer.

For a protocol on performing ammonium chloride lysis, refer to the Product Information Sheet for Ammonium Chloride Solution (Catalog #07800).

Accessory Products

PRODUCT NAME	CATALOG #
3% Acetic Acid with Methylene Blue	07060
Ammonium Chloride Solution	07800
Hausser Scientific™ Bright-Line Hemocytometer	100-1181
Lymphoprep™	07801
Trypan Blue	07050