

Primary Cells

Human Mobilized Peripheral Blood
Leukopak, Plerixafor, Fresh



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Catalog #200-0604

Product Description

Normal donors are mobilized with a maximum dose of 0.24 mg/kg of plerixafor 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 plerixafor
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 plerixafor mobilization and leukapheresis schedule

First collection; Cat #200-0604

Plerixafor
Injection



Day 1 Day 2



Apheresis

First Collection
Catalog #200-0604

The time interval between injection and apheresis is listed on Certificate of Analysis.

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

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