

# Primary Cells

Human Whole Peripheral Blood  
Collected with EDTA, Fresh



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## Product Description

Normal whole peripheral blood (PB) is obtained from healthy donors using Institutional Review Board (IRB)-approved consent forms and protocols.

- Donor Status:** Normal
- Characterization Criteria:** Volume, donor virus testing, age, sex, ethnicity, weight, height, smoking status, other information
- Format:** Product is drawn directly into a Vacutainer® tube containing anticoagulant.
- Anticoagulant:** Ethylenediaminetetraacetic acid (EDTA)

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

## Ordering Information

| CATALOG # | SIZE       |
|-----------|------------|
| 70508.1   | 1 x 10 mL  |
| 70508.2   | 2 x 10 mL  |
| 70508.3   | 3 x 10 mL  |
| 70508.4   | 4 x 10 mL  |
| 70508.5   | 5 x 10 mL  |
| 200-0035  | 6 x 10 mL  |
| 200-0036  | 7 x 10 mL  |
| 200-0037  | 8 x 10 mL  |
| 200-0038  | 9 x 10 mL  |
| 70508.6   | 10 x 10 mL |
| 200-0039  | 15 x 10 mL |
| 200-0040  | 20 x 10 mL |
| 200-0043  | ≥ 250 mL   |
| 200-0045  | ≥ 450 mL   |

## Stability and Storage

Product is shipped at ambient temperature and should be used or processed immediately upon receipt.

## Precautions

Donor Screening: Donors are screened for HIV-1 and 2, hepatitis B, and hepatitis C.

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

If the donor has not been screened within 90 days of collection, a test sample will be taken at the time of donation and the product will be shipped before the screening results are available. In the unlikely event that a test result is positive, the customer will be contacted as soon as possible (usually within 2 - 4 business days from the time of shipment).

Donors have been tested and found to be negative for HIV-1 and 2, hepatitis B, and hepatitis C 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  $\mu$ L 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 whole blood samples, a dilution of 1 in 10 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.

## 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     |
| SepMate™-50 (IVD)                             | 85450     |
| SepMate™-50 (RUO)                             | 86450     |
| Trypan Blue                                   | 07050     |

SepMate™ IVD is only available in select regions where it is registered as an In Vitro Diagnostic (IVD) device for the isolation of mononuclear cells (MNCs) from whole blood or bone marrow by density gradient centrifugation. In all other regions, SepMate™ is available for research use only (RUO).

PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

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