

Primary Cells

Human Peripheral Blood CD4+ T Cells, Fresh



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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

Catalog #200-0052
200-0053

1 x 10⁷ cells
2.5 x 10⁷ cells

Product Description

Primary human CD4+ T cells were isolated from peripheral blood using negative immunomagnetic separation techniques. CD4 is a glycoprotein expressed on immune cells.

Cells were obtained using Institutional Review Board (IRB)-approved consent forms and protocols.

Donor Status:	Normal
Characterization Criteria:	Cell count, viability, donor virus testing, other information
Format:	Cells are in suspension in Iscove's Modified Dulbecco's Medium + 10% fetal bovine serum (FBS).
Purity:	≥ 90% CD4+ T cells by flow cytometry
Anticoagulant:	Acid-citrate-dextrose solution A (ACDA)

For donor details, refer to the lot-specific 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, 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, HIV-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. STEMCELL assures the cells will meet the specifications only when assessed, before washing, by our test methods.

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). 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>.

Accessory Products

PRODUCT NAME	CATALOG #
3% Acetic Acid with Methylene Blue	07060
DNase I Solution (1 mg/mL)	07900
Hausser Scientific™ Bright-Line Hemocytometer	100-1181
Iscove's Modified Dulbecco's Medium (add 10% fetal bovine serum)	36150
StemSpan™ SFEM II	09605
Trypan Blue	07050

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