

# Primary Cells

**Human Cancer - Whole Peripheral  
Blood Collected with Sodium  
Heparin, Fresh**



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## Product Description

Whole peripheral blood (PB) is obtained from donors diagnosed with cancer using Institutional Review Board (IRB)-approved consent forms and protocols.

**Donor Status:** Cancer

**Characterization Criteria:** Primary cancer type, stage, donor ID, cell processing date, age, sex, ethnicity, weight, height, smoking status, blood type, anticoagulant, current treatments, other information

**Format:** Product is drawn directly into a Vacutainer® tube containing anticoagulant.

**Anticoagulant:** Sodium heparin (Na-Hep)

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

## Ordering Information

CANCER TYPE	CATALOG #
Bladder Cancer	200-0260
Breast Cancer	200-0261
Cervical Cancer	200-0262
Colorectal Cancer	200-0263
Endometrial Cancer	200-0264
Esophageal Cancer	200-0265
Gastric Cancer	200-0266
Head and Neck Cancer	200-0267
Kidney Cancer	200-0268
Liver Cancer	200-0269
Lung Cancer	200-0270
Melanoma	200-0271
Ovarian Cancer	200-0272
Pancreatic Cancer	200-0273
Prostate Cancer	200-0274
Solid Tumor Cancer	200-0400

## 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, HIV-2, hepatitis B, and hepatitis C.

Donors have been tested and found to be negative for HIV-1, HIV-2, hepatitis B, and hepatitis C prior to donation. A negative result indicates that donor viral testing was found to be negative upon initial donor screening. The date of most recent viral testing is indicated on the Certificate of Analysis.

As testing cannot completely guarantee that the donor was virus-free, THIS PRODUCT SHOULD BE TREATED AS POTENTIALLY INFECTIOUS and only be 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.

## Handling/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). Adjust the dilution if there are more than 100 cells per square of the hemocytometer. See Tips section for more details on performing cell counts with a hemocytometer.

## 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 #
Trypan Blue	07050
3% Acetic Acid with Methylene Blue	07060
Ammonium Chloride Solution	07800
Lymphoprep™	07801
SepMate™-50 (IVD)	85450
SepMate™-50 (RUO)	86450

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