SONY

# Product Data Sheet

## Veri-Cells™ CD4-Low PBMC

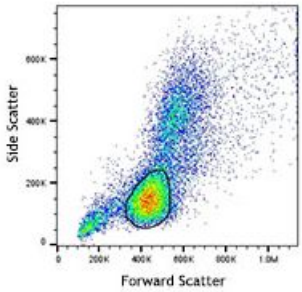
**Catalog # / Size:** 2728010 / 100 tests
2728005 / 25 tests

**Isotype:**

**Preparation:** The Veri-Cells™ CD4-Low PBMC Kit is prepared from lyophilized human peripheral blood mononuclear cells and a vial of reconstitution buffer.

**Formulation:** Each vial of Veri-Cells™ CD4-Low PBMC contains ≥ 5 x $10^6$ lyophilized human peripheral blood mononuclear cells (PBMC).

**Concentration:** NULL




Veri-Cells™ CD4-Low PBMC were stained with CD3 FITC and CD4 PE/Cy7. The bottom plot is gated on the lymphocyte population.

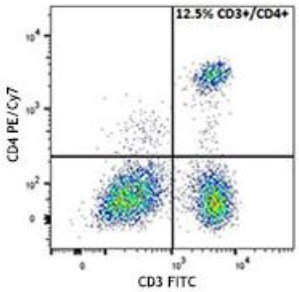
## Applications:

**Applications:** Flow Cytometry, Intracellular Staining for Flow Cytometry

**Recommended Usage:** 50 µl per test (after reconstitution with 1.3 ml)

Note: Veri-Cells™ Reconstitution Buffer A may show precipitation over time, however this is normal and does not affect performance of the buffer.

**Application Notes:** The Veri-Cells™ PBMC Kit can be used as positive controls for surface immunofluorescent staining and multi-color flow cytometry assays using surface staining. It can also be used for the detection of intracellular molecules such as Granzyme B, Perforin, Foxp3 and Helios using Fixation Buffer and Intracellular Staining Permeabilization Wash Buffer (10X) or the True Nuclear™ Transcription Factor Buffer Set. For best results, Cell Staining Buffer is recommended for any washing steps.

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**Description:** The reconstituted lyophilized human PBMC can be used for immunofluorescent staining and multi-color flow cytometry assays. The cells can be used as controls for stability studies to avoid donor variability. This product contains human cells, a potentially biohazardous material. Blood used in preparation of these samples was tested and found to be negative, using FDA approved methods, for antibody and nucleic acid testing against Human Immunodeficiency virus (HIV), Hepatitis B and C virus and HTLV (Human T-Lymphotrophic virus I and II), surface antigen for Hepatitis B (HBsAg) virus and syphilis and West Nile Virus. Biological tests are not 100% accurate. Use standard precautions when handling and treat as if the product is capable of transmitting disease. When handling or disposing, follow precautions described in CDC and FDA recommendations and OSHA Bloodborne Pathogen guidelines.

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