

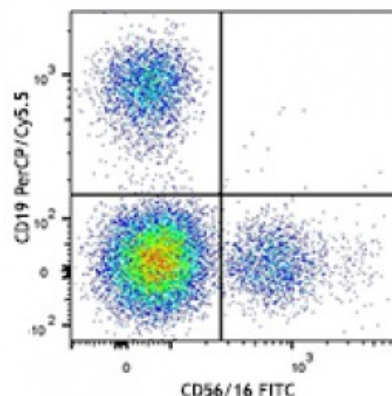
### Veri-Cells™ PBMC

**Catalog # / Size:** 2725005 / 25 tests  
2725010 / 100 tests

**Preparation:** The Veri-Cells™ PBMC Kit is prepared from lyophilized human PBMC and a vial of Veri-Cells™ Buffer A.

**Formulation:** Each vial of Veri-Cells™ PBMC contains  $4-6 \times 10^6$  lyophilized human peripheral blood mononuclear cells (PBMC).

**Concentration:** Lot-specific



Veri-Cells™ PBMC were stained with anti-human CD19 (clone HIB19) PerCP/Cy5.5, CD16 (clone 3G8) FITC, and CD56 (clone HCD56) FITC (top) or CD4 Brilliant Violet™ 510 and FOXP3 (clone 206D) PE (bottom).

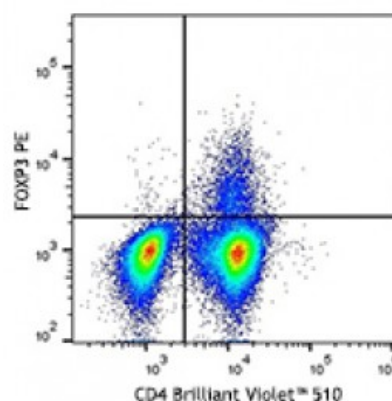
### Applications:

**Applications:** Flow Cytometry

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

Note: Veri-Cells™ 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 the BioLegend surface staining protocol. It can also be used for the detection of intracellular molecules such as Granzyme B, Perforin, Foxp3 and Helios using BioLegend's 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. Product performance specifications are based on testing with BioLegend reagents and protocols. Deviations from the use of these reagents and procedures have not been assessed and may affect performance.



**Protocol for using Veri-Cells™  
PBMC:**

1. Remove a vial of Veri-Cell™ PBMC from the refrigerator and warm to room temperature for 5 minutes.
2. Add 1.3ml of the Veri-Cell™ Buffer A to the cell pellet, replace the rubber stopper and mix by inversion for 5 seconds. Allow at least 5 minutes for the cells to rehydrate prior to staining.
3. Aliquot the required amount of cells into tubes. Stain with antibodies using our [Cell Surface Immunofluorescence Staining Protocol](#), [Intracellular Flow Cytometry Staining Protocol](#). The cells are ready for acquisition.

Note: To monitor non-specific staining, we recommend using appropriate isotype controls.

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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. These cells have been verified to work with commonly tested cell markers such as CD3, CD4, CD8, CD19, CD20, CD56/16, CD14, CD25, CD69, Granzyme B, Perforin, FOXP3, and Helios.

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-Lymphotropic 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.