

Veri-Cells™ PBMC Kit

Lyophilized Human Control Cells

At BioLegend, we understand the need for dedicated and accurate controls. Reference laboratories, clinical research organizations, and multi-center clinical trials, among other institutions, need reliable cells as controls to validate lot-to-lot consistency and for daily machine set-up. In addition, sample variability highlights the importance of confirming that the multi-color cocktails prepared each day can detect all markers of interest. We are happy to introduce our first lyophilized cells to be used as controls, prepared from human peripheral blood mononuclear cells. The kit includes the lyophilized cells and a reconstitution buffer (Veri-Cells™ Buffer A).

Veri-Cells™ PBMC Kit can help you to:

- Compare experiments that can't be performed side-by-side
- Calibrate or confirm instrument calibration
- Verify the quality of your flow cytometry reagents
- Validate lot-to-lot consistency

Veri-Cells™ PBMC Kit features:

- Excellent stability for long-term studies
- Wide range of tested surface and intracellular molecules (CD3, CD4, CD8, CD16, CD19, CD20, CD21, CD56, FOXP3, and Helios)
- Can be used up to 5 days after reconstitution
- Customized control products are available
- Custom lot sizes are also available

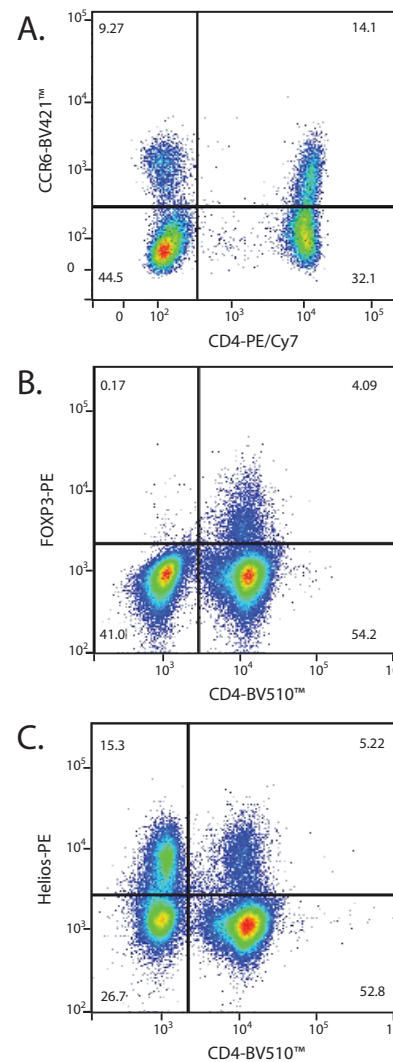
Products

Description	Size	Cat. No.
Veri-Cells™ PBMC Kit	25 tests 100 tests	425001 425002

To learn more, visit: biolegend.com

For custom orders, please contact our Custom Solutions Team: cst@biolegend.com

Surface and intracellular markers detected in Veri-Cells™ PBMCs



Veri-Cells™ PBMCs were reconstituted and stained for flow cytometry. A) Chemokine receptor CCR6 expression is shown. B, C) The cells were stained with anti-human CD4-BV510™, then treated with our True-Nuclear™ Transcription Factor Buffer Set (Cat. No. 424401), followed by intra-nuclear staining with anti-human FOXP3 PE or Helios PE. The staining pattern for CCR6, Helios, and FOXP3 is very similar to that observed with freshly isolated PBMCs. Dot plots are gated on the lymphocyte population.



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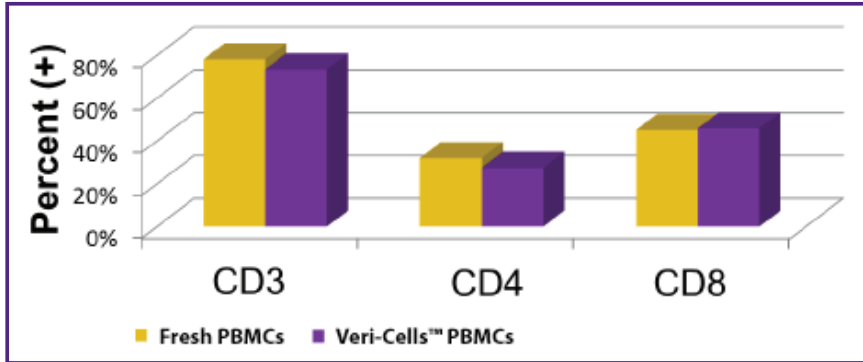
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World-Class Quality | Superior Customer Support | Outstanding Value

Veri-Cells™ PBMC Kit

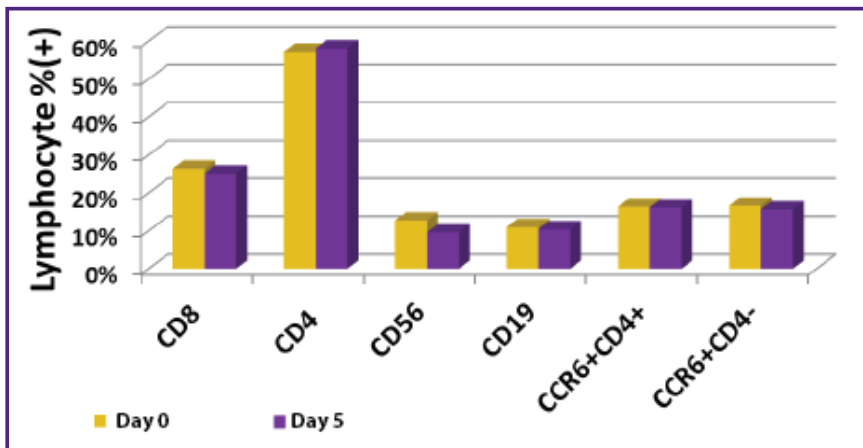
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Frequency of cells is not affected by lyophilization



Fresh PBMCs and reconstituted Veri-Cells™ PBMCs were surface stained with anti-human CD3, CD4 and CD8 antibodies. The percentage of positive cells was similar after the lyophilization process.

Veri-Cells™ PBMCs can be used for five days after reconstitution



Veri-Cells™ PBMCs were surface stained with anti-human CD4 PE/Cy7, CD8 APC, CD19 PerCP/Cy5.5, CD56 FITC and CCR6 BV421™ on day 0 and day 5 post-reconstitution.

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