

Microbubble Leukopak Human T Cell Isolation Kit

with BACS™ Microbubbles

From leukopak bag to purified cells in one hour enables productivity and increased scientific discovery



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Isolate More T Cells for Better Science

Isolate truly untouched T cells directly from leukapheresis material without the need for lysis or density gradient centrifugation. The Microbubble Leukopak Human T Cell Isolation Kit was developed with BACS™ Microbubbles to isolate pristine and untouched T cells from leukopak material.

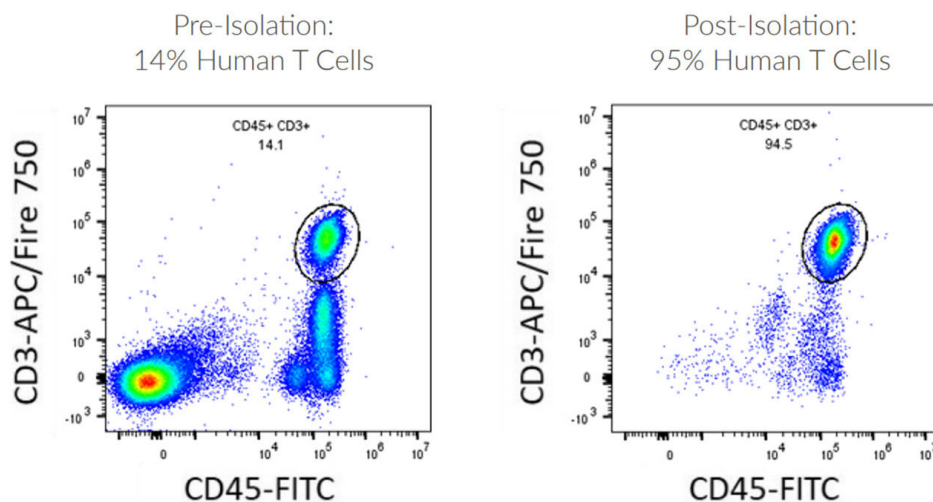
Why BACS™ Microbubbles?

- Say goodbye to lysis and ficoll Avoid exposing cells to destructive conditions for truly untouched T cells.
- Enjoy higher recovery Allowing you to get the most out of each leukopak, limiting donor recalls.
- Scalable to your needs Process more material per isolation and more isolations per shift.
- Painless platelet removal Spare your cells from repeated washes and centrifugations.
- 60 min. protocol Fast, easy workflow to save you time and add flexibility to your day.

High Purity, High Yield, Better Cells

Enriched T Cells from Leukopak

Untouched T cells were isolated from total leukopak cells using the Microbubble Leukopak Human T Cell Isolation Kit. Isolated T cells were labeled with CD45-FITC and CD3-APC Fire/750. The fluorescently labeled cells were analyzed by flow cytometry.



How it Works

Leukopak samples contain a milieu of immune cells (i.e., white blood cells), plasma, platelets, and red blood cells. The Microbubble Leukopak Human T Cell Isolation Kit uses a negative selection method to enrich T cells by removing unwanted cell populations.

These unwanted cells are labeled with biotin-CD14, CD16, CD19, CD20, CD36, CD56, CD123, CD235ab. BACS™ Streptavidin Microbubbles are mixed into the sample where they bind to the labeled cells and gently float them to the surface. Untouched T cells in their original state are subsequently harvested.

Akadeum BACS™ Workflow Advantages

Lysis & density gradient free?	Yes
Truly untouched cells?	Yes
Free from instrumentation?	Yes
Free from product specific equipment?	Yes
Capacity (full leukopak per run)	2+

Microbubble Leukopak Human T Cell Isolation Kit SKU: 13210-221