



AKADEUM
LIFE SCIENCES

BACS™ Microbubbles

for Untouched Cell Isolation

Gentle on cells
Easy 30 min. workflow
No Magnet, No Column



What Are BACS™ Microbubbles:

Buoyancy Activated Cell Sorting (BACS™) Microbubbles are hollow particles with a thin, solid shell and air-filled core. They are functionalized to swiftly remove cells via negative selection. Unwanted cells bind to the BACS™ Microbubbles and float to the surface, while untouched cells of interest remain in the supernatant and can be centrifuged for collection.

The easy-to-use BACS™ Microbubble workflow results in truly untouched cells, avoiding exposure to damaging chemicals, magnetic forces, or the shear forces of columns.

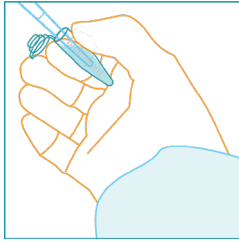
Why BACS™ Microbubbles?

- **Gentle on cells** Uses the power of buoyancy to quickly separate unwanted cells via flotation.
- **Magnet-free, column-free** Cells are not subjected to harsh magnetic or shear forces.
- **Simple workflow** Process unlimited samples simultaneously - doesn't require additional equipment.
- **Reliable and consistent** High-quality, reproducible results with cells ready for all downstream experiments.

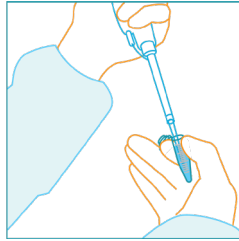
How It Works

Simple Workflow

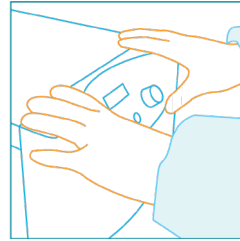
1 Label Cells



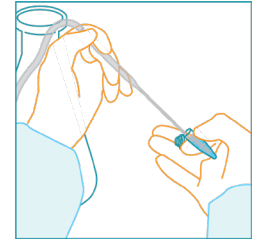
2 Add Microbubbles



3 Centrifuge

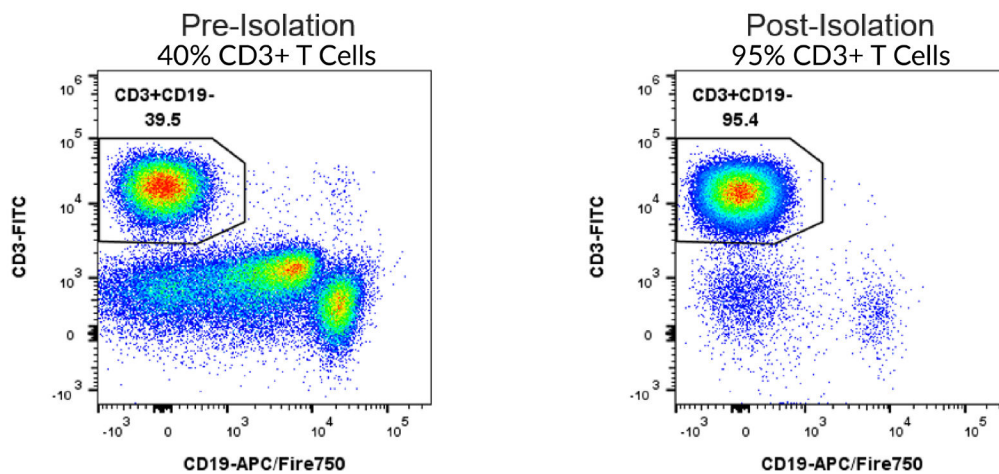


4 Aspirate Microbubbles



High Purity, High Yield, Better Cells

Isolation of human T cells from MNCs was performed using the Human T Cell Isolation Kit. Cells were labeled with CD19-APC/Fire750 and CD3-FITC.



Available Products

Human T Cell Isolation Kit	SKU: 13210-120	Mouse T Cell Isolation Kit	SKU: 12210-120
Human CD4+ T Cell Isolation Kit	SKU: 13210-130	Mouse CD4+ T Cell Isolation Kit	SKU: 12210-130
Human B Cell Isolation Kit	SKU: 13210-110	Mouse Naïve CD4+ T Cell Isolation Kit	SKU: 12210-150
Human CD14+ Monocyte Isolation Kit	SKU: 13210-220	Mouse Naïve T Cell Isolation Kit	SKU: 12210-160
Human RBC Depletion Microbubbles	SKU: 13210-140	Mouse B Cell Isolation Kit	SKU: 12210-110
Microbubble Leukopak Human T Cell Isolation Kit	SKU: 13210-221E	Dead Cell Removal Microbubble Kit	SKU: 11510-211E

BACS™ Streptavidin Microbubbles

SKU: 11110-000