

Human CD14+ Monocyte Isolation Kit

with BACS™ Microbubbles

Negative Selection
from Human MNCs
Capacity: 1 billion cells



AKADEUM
LIFE SCIENCES



Isolate More Cells for Better Results

The Human CD14+ Monocyte Isolation Kit delivers a high yield of a highly pure population of CD14+ monocytes from human mononuclear cells (MNCs) that is ready for downstream use. The BACS™ Microbubble workflow is exceptionally gentle on cells, helping to maintain the health and physiology of CD14+ monocytes.

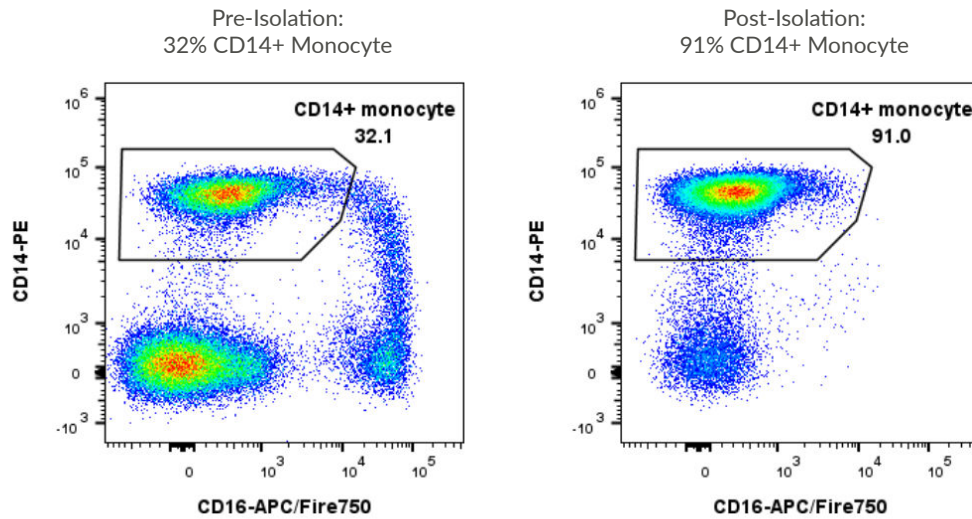
Why BACS™ Microbubbles?

- **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.

High Purity, High Yield, Better Cells

Human CD14+ Monocyte Enrichment

Untouched CD14+ monocytes were isolated from MNCs. Isolated cells were labeled with CD14-PE and CD16-APC/Fire750. The fluorescently labeled cells were analyzed by flow cytometry. Debris and dead cells were excluded from analysis.



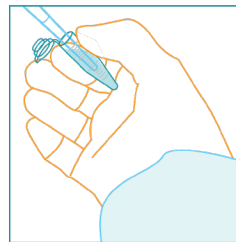
How it Works

The Human CD14+ Monocyte Isolation Kit uses streptavidin-conjugated BACS™ Microbubbles and biotinylated antibodies to remove unwanted cells and effectively enrich CD14+ monocytes.

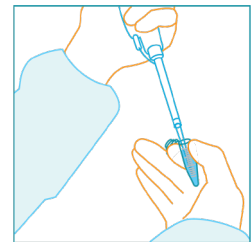
Non-CD14+ monocytes are labelled with an optimized cocktail of antibodies CD3, CD5, CD15, CD16, CD19, CD20, CD56, CD57, CD66b, CD123, CD235ab, and CD314.

Microbubble-bound cells float to the top of the container for rapid removal without a column or magnet. A high yield of a highly pure population of human CD14+ monocytes is left untouched and ready for downstream applications.

1 Label Cells



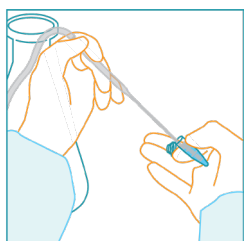
2 Add Microbubbles



3 Centrifuge



4 Aspirate Microbubbles



Human CD14+ Monocyte Isolation Kit

SKU: 13210-220