

Human CD3 T Cell Isolation Kit

Kit Contents (Cat #:KMS309)

- 1x Human CD3 Memory T Cell Isolation Biotin Antibody Cocktail (Cat #:MS309A)
- 1x Streptavidin Magnetic Beads (Cat #:MS309B)



Protocol

1. Prepare a single cell suspension of 1×10^7 human PBMC in 100 μ L of Cell Separation Buffer (PBS, 0.1%BSA, 2mM EDTA).
2. Add 30 μ L Human CD3 T Cell Isolation Biotin Antibody Cocktail (MS309A) and mix well. Incubate for 30 minutes at 4°C.
3. Wash cells once with PBS and resuspend in 100 μ L Cell Separation Buffer. Add 30 μ L Streptavidin Magnetic Beads (MS309B) to each tube. Incubate for 30 minutes at 4°C.
4. After incubation, add 2 mL PBS to each tube and put the tube(s) on the magnet for 10 minutes. Carefully collect supernatants and avoid touching magnetic beads in the tube.
5. Optional: repeat steps 2-4 to improve purity.
6. The supernatant contains untouched human CD3 positive T cells. Flow Cytometry analysis is recommended to check purity.