Red blood cell lysis

General protocols

Lysis of red blood cells

1. Dilute one volume of cell suspension (freshly drawn blood, buffy coat, leukapharesis material, murine or rat spleen cells, etc.) with 5–10 volumes of lysis buffer (155 mM NH_4Cl; 10 mM $KHCO_3$ and 0.1 mM EDTA) and incubate for 5 minutes at room temperature.
2. Centrifuge at 300×g for 10 minutes at 20 °C.
3. Wash cells twice by adding buffer. Centrifuge at 200×g for 10 minutes at 20 °C and carefully remove supernatant.
4. Resuspend the cell pellet in an appropriate buffer. Count the cells and proceed to magnetic labeling (for details see MACS® Reagent data sheets).

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