ABSTRACT OF THE DISCLOSURE

In a leukocyte accumulation container comprising an opening, a sidewall portion and a bottom portion, a part or all of the sidewall portion having a horizontal sectional area gradually increasing in a direction from the bottom portion towards the opening, a cytolytic agent is added to a solution of a platelet preparation or a solution of an erythrocyte preparation to solubilize platelets or erythrocytes in the solution of the preparation; then the leukocyte accumulation container is set on a centrifuge to accumulate the leukocytes on the bottom portion of the leukocyte accumulation container, and the leukocytes accumulated on the bottom portion are counted.