Washed Red Blood Cell Preparation

http://geneticslab.emory.edu

Step 1: Centrifuge the whole blood at 3000rpm (1800rcf) for 5 minutes

Step 2: Remove plasma and buffy coat layer.

Step 3: Resuspend the red cells in normal saline (0.9% NaCl) with approximately 2 times the volume of the red cells, and invert the tube to mix.

Step 4: Centrifuge for 5 minutes at 2000 rpm and discard the supernatant.

Step 5: Repeat Steps 3 & 4 twice for a total of 3 washes or until the supernatant is clear

Step 6: Completely remove the supernatant and freeze the red cells at -20°C, preferably at -80°C.

Ship frozen.