

University of Pittsburgh Cancer Institute
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2012-01-R0 PROCEDURE FOR Red Blood Cell Lysis

RBC LYSIS

1. If a visible “red” cell pellet remains, red blood cell lysis may be performed.
2. Dilute 10X Lysing Solution with sterile diH₂O. For example, add 5 mL of the lysing solution to 45 mL of water.
3. Filter sterilize the solution into a new 50 mL pp conical tube, using a 0.45 µL syringe filter with a 60 cc syringe.
4. Centrifuge the sample at 400 g for 7 min at 4° C. Decant supernatant and dislodge pellet.
5. Add the 1X lysing solution to the pelleted cells. Place at room temperature for 10 min on a rocker.
6. Centrifuge at 400 g for 7 min at 4° C. Decant supernatant and dislodge pellet.
7. Wash twice with PBS-A.

Adapted from procedures, complements of Donnenberg Lab, University of Pittsburgh