Cell lysis for protein extraction*

1. Carefully remove decant culture medium from adherent wells.
2. Wash all cells twice with cold PBS.
3. Add ice-cold RIPA buffer (with inhibitors) to the cell wells. Use ~600 µL of buffer per well (12 well plates), it is important that the fibers are covered in buffer.
4. Keep on ice for 20 minutes, swirling the plate occasionally for uniform spreading.
5. Collect the lysate and transfer to a cold microcentrifuge tube. Centrifuge samples at 4◦C at 14 000 x g for 15 minutes to pellet the cell debris.
   Note: To increase yield, sonicate the pellet for 30 seconds with 50% pulse.
6. Gently remove the tubes from the centrifuge and place on ice, aspirate the supernatant and place in a fresh tube kept on ice.

*Suggested procedure, please adjust according to your experimental needs.

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