

Methanol/Chloroform Protein Precipitation

- Method can be scaled up or down.
1. To sample of 100uL starting volume add 400uL Methanol.
 2. Vortex well.
 3. Add 100uL Chloroform.
 4. Vortex well.
 5. Add 300uL ddH₂O. Sample should look cloudy.
 6. Vortex well.
 7. Spin 2 min. @ 14,000 g
 8. Pipette off the top aqueous layer. Protein exists between layers and may be visible as a thin wafer.
 9. Add 400uL of Methanol.
 10. Vortex well.
 11. Spin 3min. @14,000 g
 12. Pipette as much Methanol as possible from the tube without disturbing the pellet.
 13. Speed-Vac to dryness but avoid drying too long as this makes the pellet harder to re-solubilize.