



Lethbridge iGEM 2018

Trichloroacetic Acid Precipitation Protocol

1. Add 1 part 100% TCA stock to 4 parts protein sample. Vortex
2. Incubate for 30min on ice.
3. Spin tube in microcentrifuge at high speed for 5 minutes
4. Remove the supernatant, leaving protein pellet intact. Dry quickly. It should leave a fluffy precipitate
5. Wash the pellet with 200µl of cold acetone and Spin at high speed for 5 minutes.
6. Repeat for 2 acetone washes.
7. Dry pellet by placing tube in 95°C heat block for 5-10 min to evaporate acetone.
8. For SDS-PAGE, add 2X or 4X sample buffer and boil sample for 10 min in 95°C before loading.