**TCA (trichloroacetic acid) Precipitation**

* **Required Items**
* 50% TCA
* Acetone
* 3x SDS Buffer
  + 188 mM Tris-HCl, pH 6.8
  + 3% SDS
  + 30% Glycerol
  + 0.01% Bromophenol blue (very small pinch)
  + 15% β-mercaptoethanol (BME)
* Microcentrifuge

**Recommended:** 1 M unbuffered tris HCl

1. Add 50% TCA to a final concentration of 10% (sample volume dependent).
2. Centrifuge at 14,000 RPM for 15 minutes at room temperature (RT).
3. Decant the supernatant and, while avoiding the pellet, aspirate off any remaining liquid with a pipette.
4. Add 500 μL acetone to the tube (try avoiding pipetting directly on the pellet). Do **NOT** mix or vortex.
5. Centrifuge at 14,000 RPM for 5 minutes RT.
6. Aspirate the acetone into a waste container while avoiding the pellet.
7. Dry the pellet(s) for ~ 10 minutes in a chemical fume hood.
8. Resuspend the pellet(s) in a desired volume of 1x SDS sample buffer (dilute 3x buffer in H2O). If the solution turns yellow, add 1 μL volumes of 1 M unbuffered Tris-HCl until the samples turn blue.
9. Boil at 95 °C for 5 minutes.
10. Load a desired volume of sample on a SDS-PAGE gel.