

**Arizona Proteomics Consortium Protocol**  
**09/18/09**

**Acetone Precipitation of Proteins**

Equipment

acetone-tolerant polypropylene tubes  
table top centrifuge  
speed vac

Reagents

HPLC-grade acetone

1. Chill acetone in a -20 °C freezer
2. Bring protein solution to 80% acetone using ice-cold acetone, vortex gently.
3. Incubate at -20 °C overnight or on dry ice for 2-3 hours.
4. Centrifuge at 16K x g for 10 min and carefully remove supernatant.
5. Wash pellet gently with two aliquots of ice-cold 100% acetone, repeat centrifugation.
6. Dry pellet briefly under vacuum. Do not overdry the pellet or it may be difficult to resuspend. Buffer may be added before storing at -20°C.