

**Purification and Concentration of Peptides by Zip-Tip**  
*UCSF Chem219 2010*

**(The procedure described here may be used in parallel to process several digests side-by-side.)**

**Items Required For Each Peptide Digest:**

Zip-Tip C18 10  $\mu$ L (P-10) Cartridge columns

Solution A. 50% Acetonitrile / 0.1 % Formic acid

Solution B. Water / 0.1% Formic acid

1. Pipette 2 x 10 ul solution A through the zip-tip to wet the resin.
  
2. Pipette 2 x 10 ul solution B through the zip-tip to equilibrate the resin.
  
3. Aspirate the sample up and down 5 times through the zip-tip to bind peptides to the resin.
  
4. Pipette 3 x 10 ul solution B through the zip-tip to wash away salts.
  
5. Elute peptides from zip-tip into new tube by pipetting 2 x 10 ul of solution A.
  
6. Speed vac to dryness.
  
7. Re-suspend in 10 ul 0.1% formic acid for MS analysis.