ZipTip Purification of Peptides and Proteins

Reagents:

1) Wetting solution – 70% ACN/0.1% TFA
2) Equilibration and wash solution – 0.1% TFA
3) Elution solution – CHC or SA matrix

Procedure:

1) Take a ziptip, C18 for peptides (uC18 for lower level digests) and C4 for proteins and equilibrate with 5 µL wetting solution in and out of tip 3X.
2) Use 5 µL of equilibration solution in and out of tip 3X to prepare for the sample. Blot on tissue.
3) Load 0.5 – 10 µL peptide or protein. In and out of the tip slowly 10X. Blot on tissue.
4) Use 5µL wash solution in and out of tip 3X then blot on tissue. Repeat twice.
5) Transfer 2 µL appropriate matrix solution to a clean tube. In and out of the tip 10X then spot directly on the MALDI target.
6) Note: May elute to a clean tube using 50-80% MeOH (ACN)/0.1% TFA if not doing MALDI.