

## **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  $\mu$ L wetting solution in and out of tip 3X.
- 2) Use 5  $\mu$ L of equilibration solution in and out of tip 3X to prepare for the sample. Blot on tissue.
- 3) Load 0.5 – 10  $\mu$ L peptide or protein. In and out of the tip slowly 10X. Blot on tissue.
- 4) Use 5  $\mu$ L wash solution in and out of tip 3X then blot on tissue. Repeat twice.
- 5) Transfer 2  $\mu$ L 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.