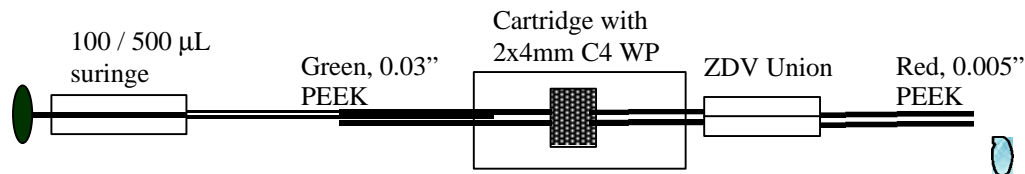


Protein Desalt / Concentration Protocol: Phenomenex SecurityGuard C4 WP

A. FIA-MS applications.

1. Assemble the SecurityGuard cartridge as described in the manufacturers instructions



2. Cartridge wetted / washed with 100 μ L 70% MeCN, 0.09% TFA.
3. Equilibrate with 500 μ L 0.1% TFA
4. Load protein sample; upto 200 μ g in 20-500 μ L water, or dilute buffer. Add 10 % TFA to a final concentration of 0.1%.
5. Wash with 500 μ L 33% solvent B (23% MeCN, 0.09%TFA).
6. Elute protein into a microtube with 100 μ L 70% MeCN, 0.09%TFA.

B. LC or LC-MS applications

Follow steps 1 to 5 above and attach (or switch on-line) guard cartridge to analytical column.

Alternatively, elute retained protein, dry to residue and re-suspend in required mobile phase.

C. Nanoelectrospray applications

Follow steps 1 to 6 above, dry to residue and re-suspend in 2-10 μ L 50% MeCN (or MeOH), 0.2% Formic Acid.