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# C4 ZipTip Solid Phase Extraction

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ABSTRACT

Solid phase extraction for clean-up and concentration of proteins prior to introduction into the mass spectrometer.

PROTOCOL CITATION

Lauren Adams 2022. C4 ZipTip Solid Phase Extraction . **protocols.io** https://protocols.io/view/c4-ziptip-solid-phase-extraction-cbrmsm46



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MATERIALS TEXT

C4 ZipTips
KimWipes
P20 and P200 pipettes with tips
LoBind Microcentrifuge tubes
C4 ZipTip Activation Buffer
C4 ZipTip Equilibration/Wash Buffer
C4 ZipTip Elution Buffer
HPLC Buffer A

1 Activate Ziptip by pipetting 10 µL of C4 ZipTip Activation Buffer and discarding onto a Kimwipe for a total of 6 times.

2 Equilibrate the Ziptip by pipetting 10 µL of C4 ZipTip Equilibration/Wash Buffer and discarding onto a Kimwipe for a total of 6 times.

3 Remove C4 Ziptip from p20 pipette and place safely back into tip box to hold. Take a p200 pipette set at 200 µL and add a p200 pipette tip to the end. Take the p200 with pipette tip and then add the C4 ZipTip to the end. Carefully pipette the elution sample up and down for a total of 10 times per elution fraction. Avoid forcing air bubbles through the pipette tip as this will disrupt the resin and introduce oxidation to the target protein.

4 Remove C4 Ziptip from p200 pipette and place safely back into tip box to hold. Reattach to the p20 pipette and by pipet 10 µL of C4 ZipTip Equilibration/Wash Buffer and discard onto a Kimwipe for a total of 10 times.

5 Pipette into 5 µL of C4 ZipTip Elution Buffer that is inside a clean LoBind tube a total of 10 times. Dilute the final volume up to 25 µL for LC-MS or 80 µL for I2MS.