

MCX Cleanup Procedure

04/19/07

Waters Oasis Cartridge: Cat # 186000252
Max Protein = 300 ug, Min Protein = 30 ug
Column Volume ~ 100 μ L

Reagents

90% Methanol (MeOH) / 10% Ammonium Hydroxide (NH₄OH)
10% Trifluoroacetic Acid (TFA)
0.1% TFA
100% MeOH
100% HPLC H₂O
80% Acetonitrile (ACN) / 0.1% TFA

Column Wash and Sample Prep

Wash Column with 1 mL MeOH

Wash Column with 1 mL 90% MeOH / 10% NH₄OH

Wash Column with 2 mL MeOH

Wash Column with 3 mL 0.1 % TFA

Check pH of flow-thru. Should be <3

Resuspend Sample in 500 μ L of 0.1% TFA

Check pH of Sample, should be <3

- Adjust pH to <3, if necessary, using 10% TFA

Sample Loading and Elution

Load sample onto column, collect Flow-thru

Re-load flow-thru and re-collect.

Save 2nd flow thru

Wash column with 3 mL of 0.1% TFA; collect flow-thru

Wash column with 3 mL of 80% ACN / 0.1% TFA

Elute from column with 500 μ L of 90% MeOH / 10% NH₄OH

Speed Vac sample to dryness before mass spec run
Dispose of column