

Materials

1. 2 x 3 mL syringes, one for sample & one for washes and elution solvents.
2. 5% Acetonitrile diluted with diH₂O, 50% acetonitrile (ACN) diluted with diH₂O, and 100% ACN.
3. 0.1% Trifluoroacetic acid diluted with diH₂O. Note: 5% Formic Acid also used to dissolve initial sample.

Procedure

1. Slowly wash cartridge with 1 mL 100% ACN.
2. Slowly wash cartridge with 1 mL 0.1% Trifluoroacetic acid .
3. Either dissolve the dried sample in 0.1% Trifluoroacetic acid or add TFA to a final 0.1% concentration. The sample should have a final volume of at least 0.5 mL.
4. Very slowly apply the sample to the cartridge (approximately 1 drop per second) collecting the flow-through in the sample's original tube (in case it doesn't bind for some reason).
5. Slowly wash the cartridge with 1 mL of 5% acetonitrile (flow-through can be collected as a safety measure).
6. Slowly apply 0.5 mL of 50% ACN, and then 0.5 mL of 100% ACN through the cartridge, collecting the eluents in a clean Eppendorf. Your clean sample is now in 1.0 mL of about 75% acetonitrile.

7. If necessary, you can now speed-vac to get rid of the acetonitrile. This would be required if applying the sample to a reverse phase column or trap cartridge.