

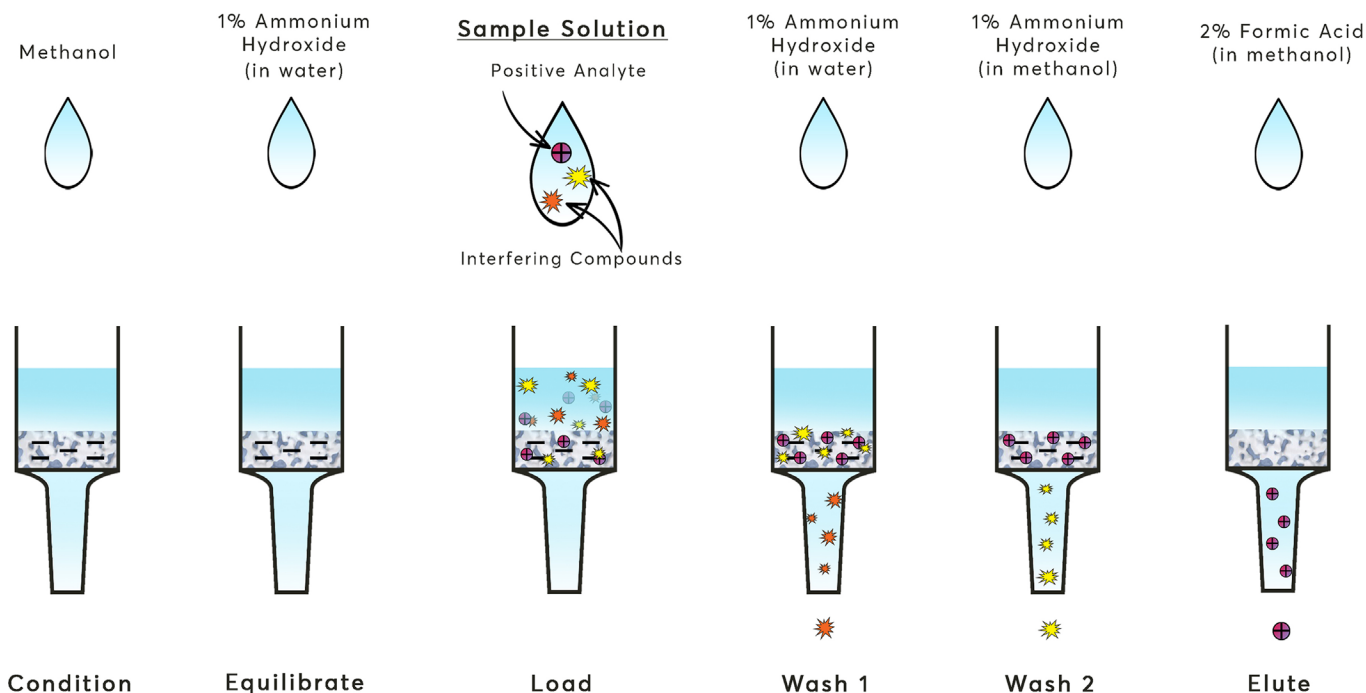
Microlute™ CP - WCX

Protocol: Example Method for the Extraction of Strong Bases

Microlute™ CP weak cation exchange (WCX) is used to retain strongly basic compounds that have pKa's that keep them ionised. The Microlute™ CP WCX uses a carboxylic acid ligand with a pKa of ~4.5. As with all Microlute™ CP products, the polymeric base offers a secondary retention of neutral compounds.

1. Condition	Add 1 mL of methanol
2. Equilibrate	1 mL of 1% ammonium hydroxide in water
3. Load	1 mL of sample dilute with 1% ammonium hydroxide in water
4. Wash 1	1 mL of 1% ammonium hydroxide in water
5. Wash 2	1 mL of 1% ammonium hydroxide in methanol
6. Elute	1 mL of 2% formic acid in methanol
7. Analyse	Dilute eluent, directly inject or evaporate eluent and reconstitute in a more suitable composition for analysis.

This Microlute™ method is an ideal starting point for several applications and for samples containing a wide range of components. Method development may be required to get optimal recovery and reproducibility.



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