

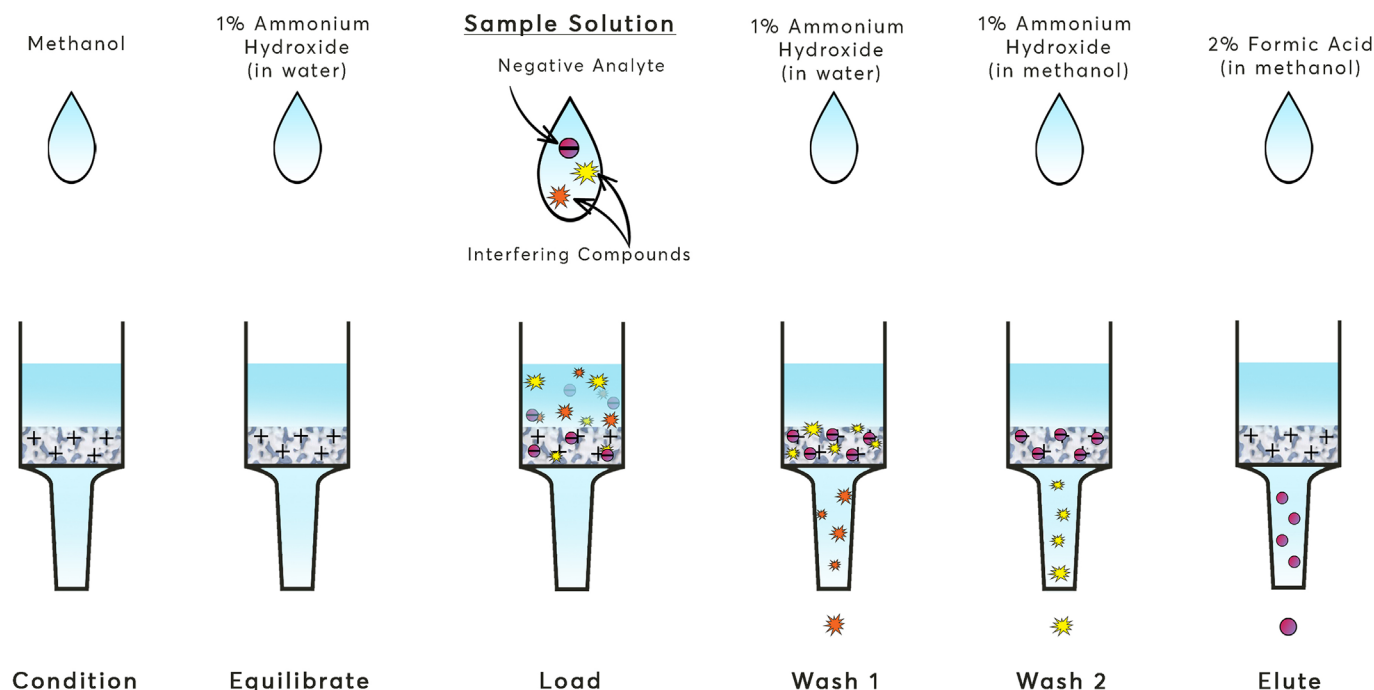
Microlute™ CP - SAX

Protocol: Example Method for the Extraction of Weak Acids

The Microlute™ CP strong anion exchange (SAX) uses a quaternary ammonium chemistry immobilised on a polymeric base with a pKa of >18. Ideal for the capture of weak acidic analytes through anion exchange. 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 diluted with 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.

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



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