

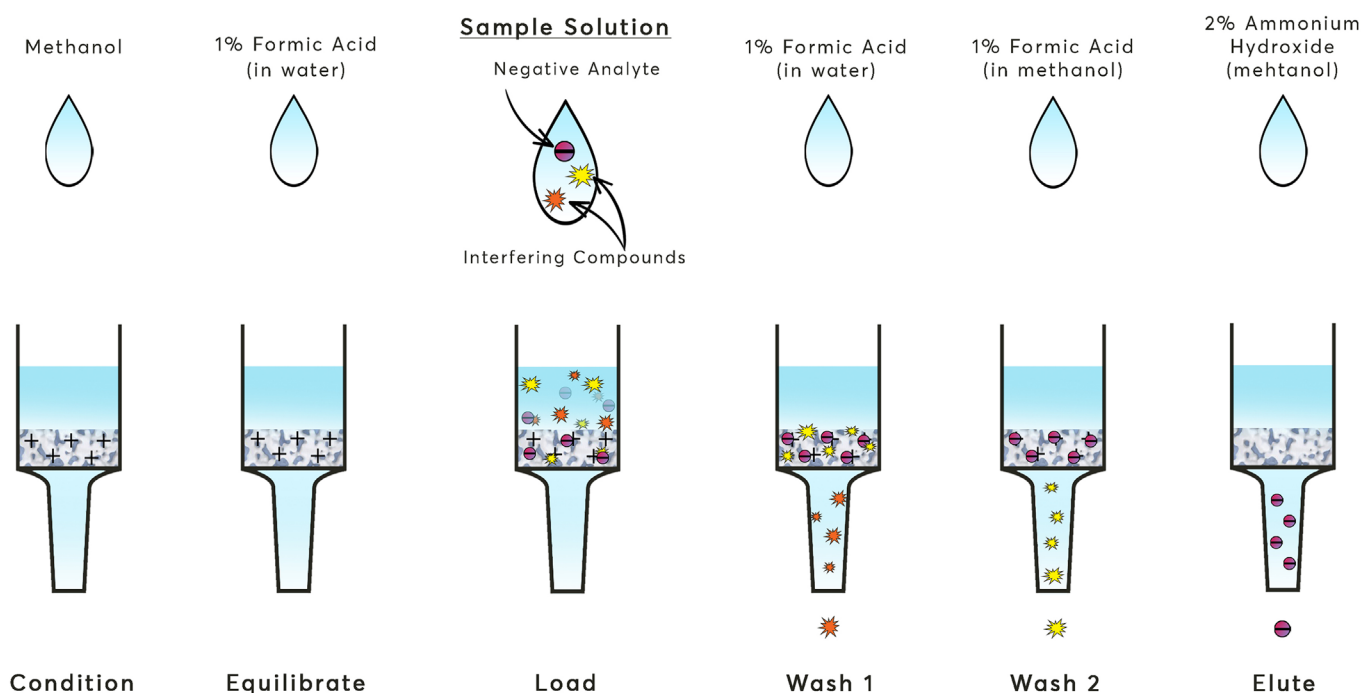
Microlute™ CP - WAX

Protocol: Example Method for the Extraction of Strong Acids

Microlute™ CP weak anion exchange (WAX) uses a tertiary amine ligand on the polymer base with a pKa of ~ 8.5. This is ideal for the retention of strong acidic compounds unable to be neutralised through pH changes. 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% formic acid in water |
| 3. Load | 1 mL of sample diluted with 1% formic acid in water |
| 4. Wash 1 | 1 mL of 1% formic acid in water |
| 5. Wash 2 | 1 mL of 1% formic acid in methanol |
| 6. Elute | 1 mL of 2% ammonium hydroxide 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.



porvair
sciences

Technical Support
Email: technical@porvairsciences.com
Phone: +441978 661144

Sales Enquiries
Email: int.sales@porvairsciences.com
Phone: +441978 661144

Microlute™ is a trademark of Porvair plc. © Copyright 2020. Porvair Sciences Ltd. All rights reserved. Whilst every effort has been made to ensure the accuracy of this document, due to continuous product development, the data contained is subject to constant revision and Porvair Sciences Ltd. reserves the right to change, alter or modify its contents. Porvair Sciences and JG Finneran Associates, Inc., are divisions of Porvair plc.