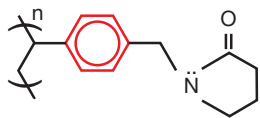


Strata™-X General Method for the Extraction of Neutral Compounds

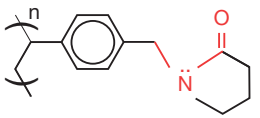
Strata-X is a reversed phase functionalized polymeric sorbent that provides strong retention of neutral, acidic, or basic compounds under aggressive, high organic wash conditions.

This sorbent retains analytes by several different mechanisms:

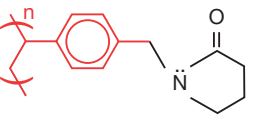
π - π Bonding



Hydrogen Bonding, Dipole-Dipole Interaction



Hydrophobic Interaction



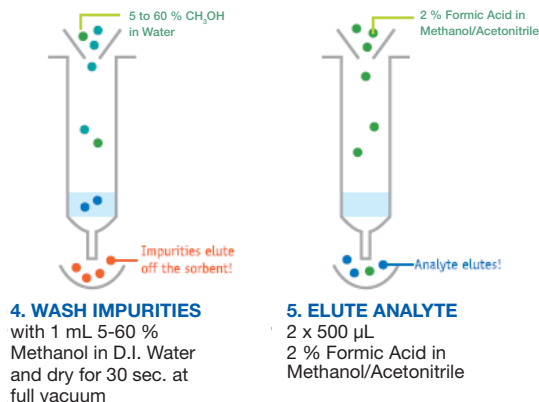
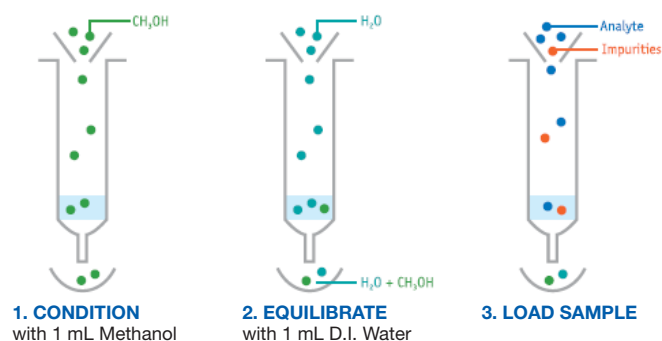
Strata-X Method for General Screening

Note: Method uses solvent volumes appropriate for a 30 mg sorbent mass. For larger or smaller masses, refer to Technical Note TN-013.

Suggested Optimization Steps:

For better clean up and to elute stubborn, strongly retained analytes, be more aggressive in the wash step and increase the strength of the elution solvents.

	Polar Compounds	Acidic Compounds	Basic Compounds
1. Condition:	Methanol	Methanol	Methanol
2. Equilibrate:	D.I. Water	2 % Acetic Acid in D.I. Water	2 % NH ₄ OH in D.I. Water
3. Load:	Diluted sample	Diluted sample with 2 % Acetic Acid	Diluted sample with 2 % NH ₄ OH
4. Wash:	10 to 50 % Acetonitrile or Methanol in Water	2 % Acetic Acid in Methanol/ D.I. Water (10 to 50 % Methanol)	2 % NH ₄ OH in Methanol/ D.I. Water (10 to 50 % Methanol)
5. Elute:	Methanol/ Acetonitrile/ Acetic Acid (50:50:0.1)	2 % NH ₄ OH in Methanol	2 % Acetic Acid in Methanol



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Strata™-X Ordering Information

Sorbent Mass	Part No.	Unit
Tube		
30 mg	8B-S100-TAK	1 mL (100/box)
30 mg	8B-S100-TBJ	3 mL (50/box)
60 mg	8B-S100-UBJ	3 mL (50/box)
100 mg	8B-S100-EBJ	3 mL (50/box)
100 mg	8B-S100-ECH	6 mL (30/box)
200 mg	8B-S100-FBJ	3 mL (50/box)
200 mg	8B-S100-FCH	6 mL (30/box)
500 mg	8B-S100-HBJ	3 mL (50/box)
500 mg	8B-S100-HCH	6 mL (30/box)
Giga™ Tube		
500 mg	8B-S100-HDG	12 mL (20/box)
1 g	8B-S100-JDG	12 mL (20/box)
1g	8B-S100-JEG	20 mL (20/box)
2 g	8B-S100-KEG	20 mL (20/box)
5 g	8B-S100-LFF	60 mL (16/box)
96-Well Plate		
10 mg	8E-S100-AGB	2 Plates/Box
30 mg	8E-S100-TGB	2 Plates/Box
60 mg	8E-S100-UGB	2 Plates/Box

Additional sizes available. Contact your Phenomenex Sample Preparation Specialist for additional information.

Contact your Sample Preparation Specialist for applications, method development support, and free samples of Strata-X SPE tubes!



If Strata[®] SPE products do not perform as well or better than your current SPE product of similar phase, mass and size, return the product with comparative data within 45 days for a FULL REFUND.

Terms and Conditions

Subject to Phenomenex Standard Terms and Conditions which may be viewed at <http://www.phenomenex.com/TermsAndConditions>.

Trademarks

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Disclaimer

The general method is a convenient starting point for SPE method development. Further optimization may be required to tailor the method to your specific needs.

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