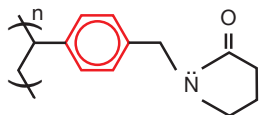


Strata[™]-XL General Method for the Extraction of Neutral Compounds

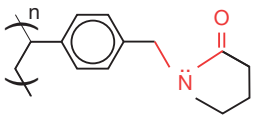
Strata-XL is a large particle, reversed phase functionalized polymeric sorbent that gives strong retention of neutral, acidic, or basic compounds under aggressive, high organic wash conditions.

This sorbent retains analytes by several different mechanisms:

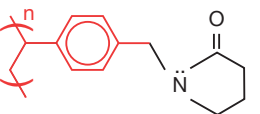
π - π Bonding



Hydrogen Bonding, Dipole-Dipole Interaction

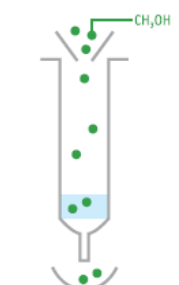


Hydrophobic Interaction

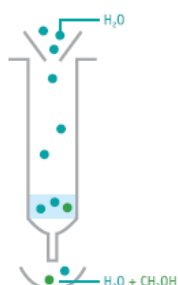


Strata-XL Method for General Screening

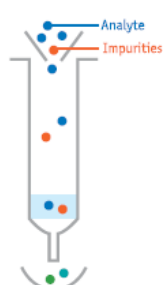
Note: Method uses solvent volumes appropriate for a 30 mg sorbent mass. For larger or smaller masses, refer to Technical Note TN-013.



1. CONDITION
with 1 mL Methanol



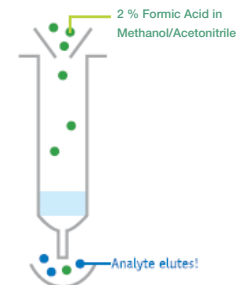
2. EQUILIBRATE
with 1 mL D.I. Water



3. LOAD SAMPLE



4. WASH IMPURITIES
with 1 mL 5-60 %
Methanol in D.I. Water
and dry for 30 sec. at
full vacuum



5. ELUTE ANALYTE
2 x 500 μ L
2 % Formic Acid in
Methanol/Acetonitrile

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

TN-0029

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Phenomenex products are available worldwide. For the distributor in your country, contact Phenomenex USA, International Department at international@phenomenex.com

Strata™-XL Ordering Information

Sorbent Mass	Part No.	Unit
Tube		
30 mg	8B-S043-TAK	1 mL (100/box)
60 mg	8B-S043-UBJ	3 mL (50/box)
100 mg	8B-S043-EBJ	3 mL (50/box)
200 mg	8B-S043-FBJ	3 mL (50/box)
200 mg	8B-S043-FCH	6 mL (30/box)
500 mg	8B-S043-HCH	6 mL (30/box)
Giga™ Tube		
2 g	8B-S043-KDG	12 mL (20/box)
2 g	8B-S043-KEG	20 mL (20/box)
5 g	8B-S043-LEG	20 mL (20/box)
5 g	8B-S043-LFF	60 mL (16/box)
10 g	8B-S043-MFF	60 mL (16/box)
96-Well Plate		
30 mg	8E-S043-TGB	2 Plates/Box
200 mg	8E-S043-FGB	2 Plates/Box
400 mg	8E-S043-5GB	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.

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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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