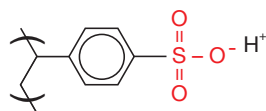


Strata™-XL-C General Method for the Extraction of Weak Bases

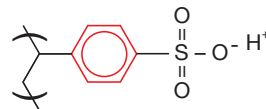
Strata XL-C is a novel polymeric, large particle, strong cation exchange sorbent that couples a hydrophobic backbone with a sulfonic acid functional group.

This sorbent retains analytes by several different mechanisms:

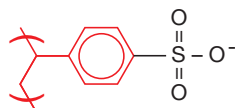
Strong Cation Exchange



π - π Bonding



Hydrophobic Interaction

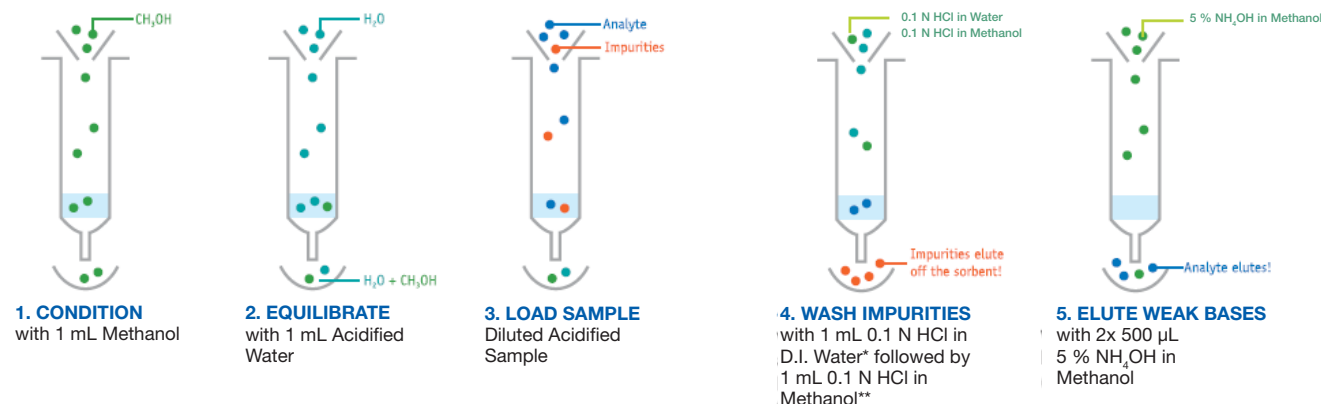


The retention mechanism of Strata-XL-C allows for the fractional collection of acidic and neutral compounds from bases. If basic compounds are the only analytes of interest, the strong ionic interaction between Strata-XL-C and the target basic analytes allows for aggressive washings with relatively strong organic solvents for superior cleanup of the sample.

Strata-XL-C Method for Weakly Basic Compounds (1°, 2°, and 3° amines)

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

Very Important: This method is NOT suitable for the extraction of strongly basic (cationic) compounds such as organic quaternary (4°) amines. Please follow the method entitled “Strata-XL-CW General Method for the Extraction of Any Base” (Technical Note TN-0027), which uses a weak cation exchange sorbent.



*This fraction will contain polar neutrals.

**The methanol wash serves to remove endogenous contaminants from biological sample matrices and reduces ion suppression in LC/MS under ESI mode. This fraction will contain neutrals and acids.

TN-0032

GENERAL METHODS

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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-C Ordering Information

Sorbent Mass	Part No.	Unit
Tube		
30 mg	8B-S044-TAK	1 mL (100/box)
60 mg	8B-S044-UBJ	3 mL (50/box)
100 mg	8B-S044-EBJ	3 mL (50/box)
100 mg	8B-S044-ECH	6 mL (30/box)
200 mg	8B-S044-FBJ	3 mL (50/box)
200 mg	8B-S044-FCH	6 mL (30/box)
500 mg	8B-S044-HCH	6 mL (30/box)
Giga™ Tube		
2 g	8B-S044-KDG	12 mL (20/box)
2 g	8B-S044-KEG	20 mL (20/box)
5 g	8B-S044-LEG	20 mL (20/box)
5 g	8B-S044-LFF	60 mL (16/box)
10 g	8B-S044-MFF	60 mL (16/box)
96-Well Plate		
30 mg	8E-S044-TGB	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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