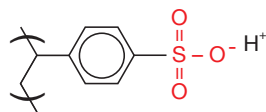


Strata™-X-C General Method for the Extraction of Weak Bases

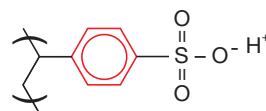
Strata-X-C is a novel polymeric strong cation exchange sorbent that couples a hydrophobic backbone with a sulfonic acid functional group.

This sorbent retains analytes by several different mechanisms:

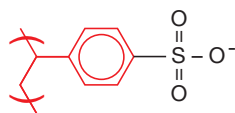
Strong Cation Exchange



π - π Bonding



Hydrophobic Interaction

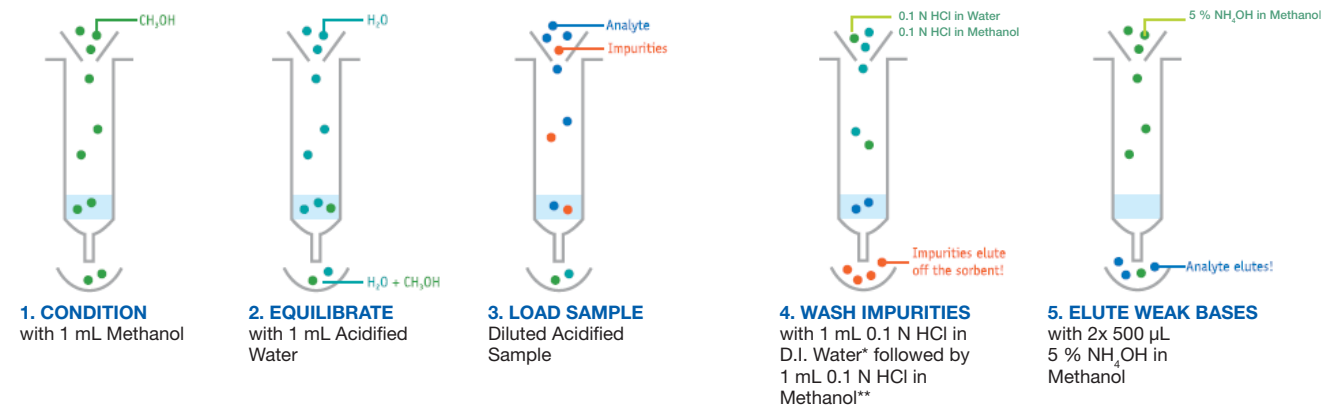


The retention mechanism of Strata-X-C allows for the fractional collection of acidic and neutral compounds from bases. If basic compounds are the only analytes of interest, the strong ionic interaction between the Strata-X-C and the target basic analytes allows for aggressive washings with relatively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

Strata-X-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-X-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.

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Strata™ -X-C Ordering Information

Sorbent Mass	Part No.	Unit
Tube		
30 mg	8B-S029-TAK	1 mL (100/box)
30 mg	8B-S029-TBJ	3 mL (50/box)
60 mg	8B-S029-UBJ	3 mL (50/box)
100 mg	8B-S029-EBJ	3 mL (50/box)
100 mg	8B-S029-ECH	6 mL (30/box)
200 mg	8B-S029-FBJ	3 mL (50/box)
200 mg	8B-S029-FCH	6 mL (30/box)
500 mg	8B-S029-HBJ	3 mL (50/box)
500 mg	8B-S029-HCH	6 mL (30/box)
Giga™ Tube		
500 mg	8B-S029-HDG	12 mL (20/box)
1 g	8B-S029-JDG	12 mL (20/box)
1 g	8B-S029-JEG	20 mL (20/box)
2 g	8B-S029-KEG	20 mL (20/box)
96-Well Plate		
10 mg	8E-S029-AGB	2 Plates/box
30 mg	8E-S029-TGB	2 Plates/box
60 mg	8E-S029-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.

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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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