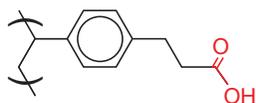


## Strata™-X-CW General Method for the Extraction of Any Base

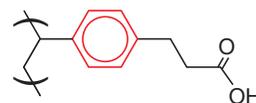
Strata-X-CW is a novel polymeric weak cation exchange sorbent that couples a hydrophobic backbone with a carboxylic acid functional group.

This sorbent retains analytes by several different mechanisms:

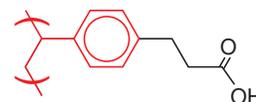
### Weak Cation Exchange



### $\pi$ - $\pi$ Bonding



### Hydrophobic Interaction

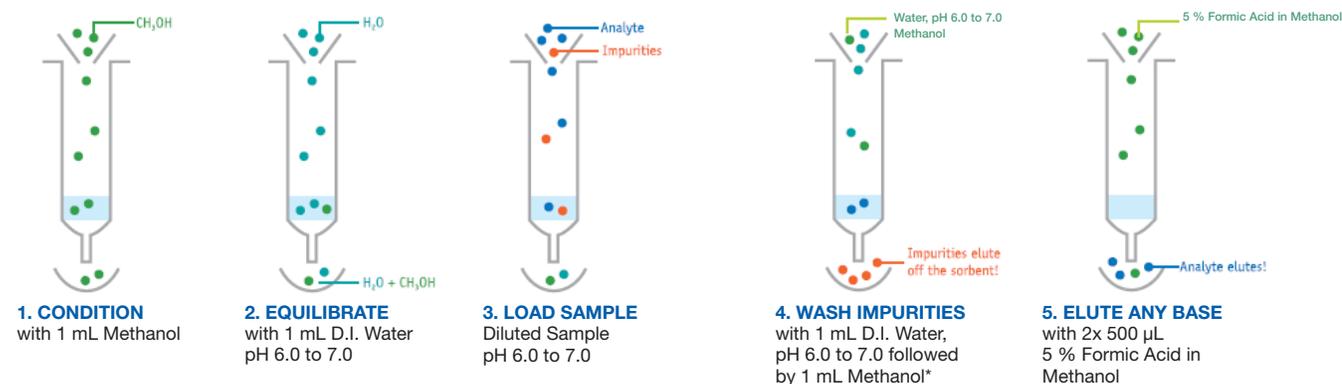


The below method is suitable for strong bases such as organic quaternary (4°) amines and pyridinium compounds. Weak bases such as primary (1°), secondary (2°), and tertiary (3°) amines will also be retained when loaded within the pH range of 6.0 to 7.0.

Strata-X-CW is an excellent choice for the extraction of basic compounds followed by direct injection into LC/MS due to the ability of the analyte to be eluted with volatile weak organic acid solutions.

### Strata-X-CW Method for All Basic Compounds (1°, 2°, 3°, and 4° amines)

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



\*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-0027

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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™ -X-CW Ordering Information

Sorbent Mass	Part No.	Unit
<b>Tube</b>		
30 mg	8B-S035-TAK	1 mL (100/box)
30 mg	8B-S035-TBJ	3 mL (50/box)
60 mg	8B-S035-UBJ	3 mL (50/box)
100 mg	8B-S035-ECH	6 mL (30/box)
200 mg	8B-S035-FBJ	3 mL (50/box)
200 mg	8B-S035-FCH	6 mL (30/box)
500 mg	8B-S035-HBJ	3 mL (50/box)
500 mg	8B-S035-HCH	6 mL (30/box)
<b>Giga™ Tube</b>		
500 mg	8B-S035-HDG	12 mL (20/box)
1 g	8B-S035-JDG	12 mL (20/box)
1 g	8B-S035-JEG	20 mL (20/box)
2 g	8B-S035-KEG	20 mL (20/box)
<b>96-Well Plate</b>		
10 mg	8E-S035-AGB	2 Plates/box
30 mg	8E-S035-TGB	2 Plates/box
60 mg	8E-S035-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<sup>®</sup> 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.

Strata-X is patented by Phenomenex.

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