Introducing strataä X-C

A revolutionary strong cation exchange polymeric SPE sorbent for extracting basic compounds from biological fluids

Strata-X-C is a patent-pending, strong cation exchange polymeric solid phase extraction (SPE) sorbent from Phenomenex. The innovative surface chemistry of the sorbent offers significant advantages over the conventional silica-based, cation exchange SPE products.

- The retention mechanism of strata-X-C allows for the fractional collection of acids and neutral compounds separate from bases.

- If bases are the only analytes of interest, the strong ionic interaction between the sorbent and target basic analytes allows for aggressive washings with relatively strong organic solvents for superior clean-up of the sample.

- sorbent is stable over a wide pH range (1-14).

strata-X-C method*
(note: volumes are for 60mg/ 3mL: for larger or smaller sorbent masses, the volumes will need to be adjusted)

Condition:

2mL methanol

2mL deionized H_2O

Load:

sample acidified with 20μL H_3PO_4/mL

Wash:

2mL acid such as 0.1% H_3PO_4 or 0.1M HCl

Dry:

1-3 min (at 10 inches Hg)

Removal of neutral / acidic compounds (may be collected if desired):

2mL methanol

Elution of basic compounds:

2mL 5% NH_4OH/methanol

IMPORTANT! "Go Slow". Flow rate not to exceed 2mL/min.

Ordering Information

Order Number	Description
8B-S029-TAK	strata-X-C 30mg/1mL Tubes (100/Box)
8B-S029-UBJ	strata-X-C 60mg/3mL Tubes (50/Box)
8B-S029-ECH	strata-X-C 100mg/6mL Tubes (30/Box)
8B-S029-FCH	strata-X-C 200mg/6mL Tubes (30/Box)
8B-S029-HCH	strata-X-C 500mg/6mL Tubes (30/Box)
8E-S029-AGB	strata-X-C 96-Well Plate 10mg/well (2/Box)
8E-S029-TGB	strata-X-C 96-Well Plate 30mg/well (2/Box)

* This method is designed as a convenient starting point for further investigation. This method can be tailored to meet your extraction goals. Phenomenex makes no guarantee regarding the accuracy or completeness of the method.