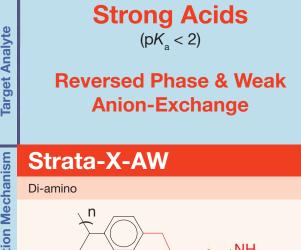
Customized SPE Solutions for Food Testing

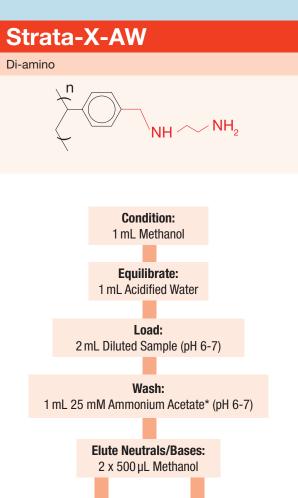
strat

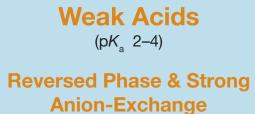
Your samples aren't created the same, so don't settle for general solid phase extraction solutions. Finding the right SPE sorbent provides high recoveries, clean injections, and gains in sensitivity.

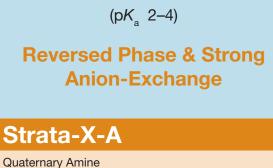


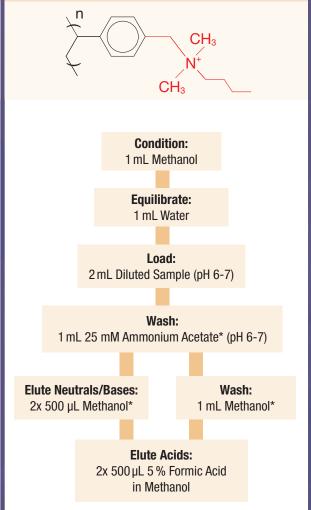
Polymeric SPE Options











Neutral Compounds

Reversed Phase

Condition:

1 mL Methanol

Equilibrate:

1 mL Water

Load:

2 mL Diluted Sample

Wash:

1 mL 5-60 % Methanol*

Elute:

2x 500 µL

2% Formic Acid in

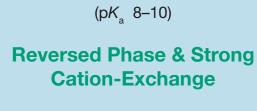
Methanol or Acetonitrile

Strata-X

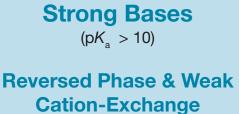
N-Vinylpyrrolidone

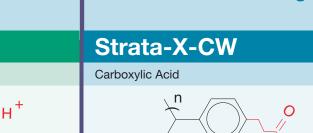
(pK_a 8–10) **Cation-Exchange** Strata-X-C

Sulfonic Acid

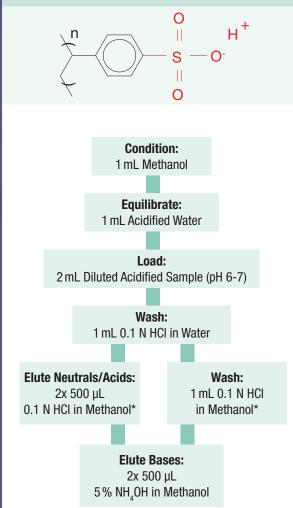


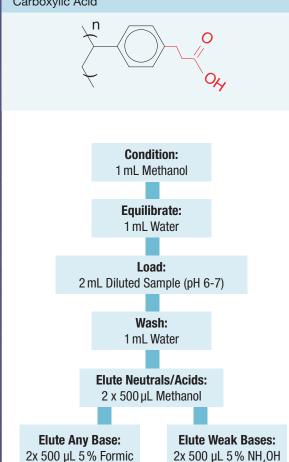
Weak Bases





Acid in Methanol





Elute Any Acid:

2x 500 µL 5 % NH,0H

in Methanol

Matrix Options (Not limited to pictures below)

Elute Weak Acids:

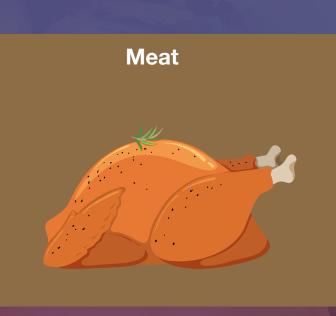
2x 500 µL 5 % Formic

Acid in Methanol









Recommended Loading Capacity

Strata-X Phase	Food/Plant Material		Mass (mg in tube)
Strata-X, X-C, X-CW, X-A, X-AW	100 mg		10 mg
	300 mg 600 mg		30 mg 60 mg
	1 g	100 mg	
	2 g		200 mg
	5 g		500 mg
	10 g	/	1 g
	20 g		2 g
Strata-XL, XL-C, XL-CW, XL-A, XL-AW	25 mg		125 mg
	50 mg	X	250 mg
	100 mg	500 mg	
	200 mg		1 g
	500 mg		2.5 g
	1 g	/	5 g
	2 g		10 g
N.A. = Not Applicable (not commonly used)			

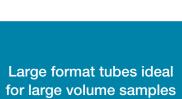
ı tube)	
mg	
mg	
mg	
) mg	
) mg	
) mg	Pra
g	Elu
? g	Liu
i mg	
) mg	
) mg	
g	Rec
5 g	Vol
g	401
) g	

Wash and Elution Solvent Volumes								
strata X Sorbent Mass	100 mg	150mg	200 mg	500 mg	1 g	2 g	5 g	10 g
Practical Minimum Wash and Elution Volume 4 bed volumes	1 mL	1.5 mL	2 mL	5 mL	10 mL	20 mL	50 mL	100 mL
Recommended Wash and Elution Volume 8 bed volumes	2 mL	3 mL	4 mL	10 mL	20 mL	40 mL	100 mL	200 mL

Available Formats for Strata-X or Strata SPE









Excellent for most common extractions and available in a large variety of different volumes



On-Line Columns and Cartridges

Run samples in parallel with LC analysis for further time savings

Additional Strata Silica Based Phases for Your Analytes

SDB-L (styrene divinylbenzene) hydrophobic and aromatic selectivity for reversed phase applications

Si-1 (Silica) for strong polar selectivity

C18-E for extraction of hydrophobic or polar organic analytes from aqueous matrices

AI-N for the extraction of polar compounds from food samples

NH₂ for strong polar selectivity and hydrogen bonding under normal phase conditions **SAX** and **SCX** for strong anion and cation exchange sorbents





Sample **Preparation** with Presston **1000 Positive Pressure** Manifold



www.phenomenex.com/Presston





SPE Method Development Tool

Develop a customized solid phase extraction method in under 1 minute! www.phenomenex/MDTool

