

**SPE**Solid Phase  
Extraction

# Application Note

**World Leaders in Sample Preparation****SPE125****ISOLATION OF AMINO ACIDS  
FROM AQUEOUS SOLUTIONS**

<b>Spe-ed™ Cartridge</b>	Cat. No. 2323- SCX Benzene sulfonic, 500mg/3mL Process with <i>Spe-ed Mate</i> .
<b>Sample Preparation</b>	Adjust solution pH to 7.
<b>Cartridge Conditioning</b>	2 x 3mL of methanol, followed immediately by 3mL of distilled water.
<b>Sample Addition</b>	Add up to 50mL of prepared sample. Aspirate sample completely from cartridge.
<b>Cartridge Wash</b>	2 sequential 0.5mL volumes of distilled water. Air-dry cartridge under vacuum for 3-4 minutes.
<b>Analyte Elution</b>	2 sequential 0.5mL volumes of 0.1 N formic acid. It may be necessary to evaporate sample and reconstitute in an analytically suitable solvent/ solution.

**Note:** *Since sample matrix interferences and concentrations may vary from sample to sample, it may be necessary to adjust the wash and elution solvent/solvent solution and/or volume to optimize isolation.*

The logo for Applied Separations, featuring the company name in a bold, sans-serif font with horizontal lines above the word "Applied".

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