

# SPE

Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

## SPE126

### ISOLATION OF CAFFEINE FROM AQUEOUS SOLUTIONS

<b>Spe-ed™ Cartridge</b>	Cat. No.2003 – Octadecyl C18/14%, 500mg/3mL. Process with <b>Spe-ed Mate</b> 10 or 30.
<b>Sample Preparation</b>	Adjust sample solution to pH7.
<b>Cartridge Conditioning</b>	2 x 3mL of methanol followed immediately by 3mL of distilled water. <b>DO NOT ALLOW CARTRIDGE TO RUN DRY!</b>
<b>Sample Addition</b>	Add up to 50mL of sample. Aspirate sample completely from cartridge. Air-dry cartridge under vacuum for 3-4 minutes.
<b>Cartridge Wash</b>	2 sequential 0.5mL volumes of distilled water.
<b>Analyte Elution</b>	2 sequential 0.5mL volumes of methylene chloride. 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/solution strength and/or volume to optimize isolation.*

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