

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE129

ISOLATION OF NICOTINE AND COTININE FROM PLASMA

Spe-ed™ Cartridge	Cat. No. 2001-Octadecyl C18/14%, 100mg/1mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Dilute 1mL of plasma with 1mL of saturated ammonium chloride. Adjust to pH 10 with ammonium hydroxide.
Cartridge Conditioning	2 x 1mL of methanol, followed immediately by 1mL of water (pH10). DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Add prepared sample. Aspirate completely from cartridge.
Cartridge Wash	2 x 0.2mL of 90% saturated ammonium chloride\ 10% acetonitrile, followed by 0.2mL-distilled water.
Analyte Elution	2 x 0.25mL of methylene chloride.

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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