

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE134**ISOLATION OF PHENOTHIAZINES FROM SERUM**

Spe-ed™ Cartridge	Cat. No. 2002- Octadecyl C18/14%, 200mg/3mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Dilute 1.0mL of serum with 2.0mL of 0.1 M ammonium hydroxide.
Cartridge Conditioning	2 x 3mL of methanol, followed immediately by 3mL of distilled water. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Add up to 3.0mL of prepared serum. Aspirate sample completely from cartridge.
Cartridge Wash	0.5mL of 0.01 M ammonium hydroxide, followed by 0.5mL of 50% methanol / 50% 0.01 M ammonium hydroxide.
Analyte Elution	2 sequential 0.5mL volumes of 0.1 M ammonium acetate in 50% methanol/ 50% acetonitrile. Evaporate sample dryness, and then dissolve a suitable solvent for GC (ethyl acetate) or HPLC.

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, italicized sans-serif font with horizontal lines above the word "Applied".

930 Hamilton Street · Allentown, PA 18101
610-770-0900 · 610-740-5520 (fax)
www.appliedseparations.com