

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE133**ISOLATION OF TRICYCLIC ANTIDEPRESSANTS
FROM SERUM**

Spe-ed™ Cartridge	Cat. No. 2053- C1 Methyl, 500mg/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	2 sequential 0.5mL volumes of 0.01 M ammonium hydroxide, followed by 2 sequential 0.5mL volumes of 60% methanol / 40% distilled water.
Analyte Elution	3 sequential 0.5mL volumes of 0.1 M ammonium acetate in 50% methanol / 50% acetonitrile.

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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