

SPE

Solid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE117

ISOLATION OF THEOPHYLLINE FROM SERUM

Spe-ed™ Cartridge	Cat. No. 2001- Octadecyl C18/14%, 100mg/1mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Dilute 1mL of sample with 1mL of 0.1 M tris buffer (pH 7 with HCl).
Cartridge Conditioning	2 x 1mL of methanol, followed immediately by 1mL of 0.01 M tris buffer (pH 7 with HCl). DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Add up to 2mL of prepared sample. Aspirate sample completely from cartridge.
Cartridge Wash	2 sequential 0.25mL volumes of distilled water. Air-dry cartridge under vacuum for 3minutes.
Analyte Elution	2 sequential 0.2mL volumes of methanol. 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.*

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