

SPE

Solid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE118

ISOLATION OF BARBITURATES FROM SERUM

Spe-ed™ Cartridge	Cat. No. 2012- Octyl C8,200mg/3mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Dilute 1mL of sample with 1mL of 0.01 N HCl.
Cartridge Conditioning	2 x 3mL of methanol, followed immediately by 2mL of 0.01 N 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 0.5mL volumes of distilled water. Air-dry under vacuum for 3-4minutes.
Analyte Elution	2 sequential 0.25mL volumes of 50% methanol/50% 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/solvent solution and/or volume to optimize isolation.*

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