

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE158**ISOLATION OF AMILORIDE FROM URINE/ SERUM**

Spe-ed™ Cartridge	Cat. No. 2103-Silica Gel, 500mg/3mL Process with <i>Spe-ed Mate</i> .
Sample Preparation	To 1mL serum / urine add 0.02mL methanol HCl (0.01 N) (1:1).
Cartridge Conditioning	1mL acetonitrile 1mL distilled water DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Add sample to cartridge
Cartridge Wash	2mL water 1mL acetonitrile 1mL water 0.25mL of 2 M sodium perchlorate (2.0 m, pH4). Dry cartridge under vacuum for 1 minute.
Analyte Elution	Serum: 0.5mL acetonitrile. Collect. Urine: 1.0mL acetonitrile. Collect eluate. Vortex 10 seconds and inject.
Evaporate Eluate	Serum Evaporate under N ₂ at 40°C to a volume of 0.05mL. Add 0.2mL sodium perchlorate (2.0 m, ph 4.0) to the residue. Sonicate 2minutes, then vortex. Inject aqueous layer into 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/solution strength 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".

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