

SPE

Solid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE141

ISOLATION OF CATECHOLAMINES FROM URINE

Spe-ed™ Cartridge	Cat. No. 3321- LRC SCX, 100mg. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Stabilize sample at pH 3.5 with HCl. Adjust pH to 8.5 with sodium phosphate buffer.
Cartridge Conditioning	2mL methanol followed immediately by 1mL of pH 8.5 adjusted water. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Add up to 5mL of prepared sample. Aspirate sample completely from cartridge.
Cartridge Wash	2 sequential 0.5mL volumes of acetonitrile, followed by 2 sequential 0.5mL volumes of pH 8.5 water.
Analyte Elution	2 sequential 0.5mL volumes of 0.1 M ammonium acetate, pH 6.0.

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.*

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