

Extraction of Acidic and Neutral Drugs from Urine using Strata C18E

Strata Cartridge: C18E, 500 mg / 3 ml. Part Number: 8B-S001-HBJ

Specimen Preparation:

Dilute 1 – 3 ml urine 1:1 with 0.1 M Phosphate buffer, pH 3.0

SPE Procedure:

Condition: Pass through the cartridge

- 1 column volume of MeOH
- 1 column volume of 0.1 M Phosphate buffer, pH 3.0
- Do not allow the cartridge to go dry for more than 1 minute.

Load the Sample: Apply vacuum and pass through the cartridge at a rate not to exceed 5 ml / minute.

Wash: Pass through the cartridge

- 2 column volumes of 0.1 M Phosphate buffer, pH 3.0
- 1 column volume of water

Dry the Cartridge: Apply full vacuum for 0.5 to 1.5 minutes to remove all traces of wash solvents.

Elute: With the vacuum off, place collection rack into the manifold and apply 2 ml of MeOH to the cartridge. Allow solvent to soak for 15 – 30 seconds, then apply a low vacuum to slowly (2 ml / min) aspirate the elution solvent through the cartridge.

Analyze:

HPLC or GC with evaporation and derivatization as necessary.