



SPEware uSPE (ultraSPE) Faster / Cleaner Sample Preparation

Barbituates from Urine

For GC-MS or LC-MS confirmations using:
Trace-B 35mg.

1. PREPARE SAMPLE

To 2 ml of urine sample add internal standards(s) and 1 ml of 100 mM phosphate buffer (pH = 6.0).
Mix/Vortex. (Centrifuge sample for 2 minutes if cloudy.)

2. APPLY SAMPLE

Transfer the supernatant into the Trace-B column and flow through the column at a flow rate of 10-20 ml/minute.

3. WASH COLUMN (All wash steps flow at 10-20 ml/min)

1 x 1 ml DI H₂O
1 x 1 ml MeOH/H₂O (25: 75)
Dry column (4 min at 20 psi N₂)
1 x 1 ml Hexane
Dry column (2 min at 20 psi N₂)

4. ELUTE BARBITUATES

1 x 2.0ml Hexane/Ethyl Acetate (50/50) collect eluate at 1 to 2 ml/minute. Evaporate to dryness.

5. QUANTITATE

Inject 1 to 3 ul sample onto chromatograph.