

SPE179

ISOLATION OF TRIMETHOPRIM FROM MEAT

Spe-ed™ Cartridge	Cat. NO. 2323 – SCX Benzenesulfonic, 500mg/3mL; or Cat. NO.2313- COOH Carboxylic Acid, 500mg/3mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Homogenize meat with 0.1 N HCl, centrifuge. Filter through a 0.2um Teflon filter.
Cartridge Conditioning	Condition cartridge by washing first with 2 x 4ml methanol and then with large quantities of water (~ 5 x 4mL).
Sample Addition	Pass the sample through the sorbent (sample size dependent on the limits of detection)
Cartridge Wash	2 sequential volumes of 2 x 0.6mL water dilute H ₃ PO ₄ followed by 2 x 0.6mL water. Pull vacuum until dry. Wash with 2 x 0.6mL hexane, ethyl ether, or ethyl acetate or mixtures of these solvents. Pull vacuum until dry.
Analyte Elution	Elute with 2 x 0.6mL ammonia methanol.

In this step one can add water and back extract into chloroform, evaporate, reconstitute for injection.

NOTE: *Since sample matrix interferences and concentration 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.*