

## SPE208

ISOLATION OF PETROLEUM  
PRODUCTS FROM WATER

<b>Spe-ed™ Cartridge</b>	Cat. No.3713- <i>Spe-ed</i> Scan ABN, 3mL; or Cat. NO. 2713- <i>Spe-ed</i> Scan ABN, LRC, 15mL. Process with <b><i>Spe-ed Mate</i></b> .
<b>Sample Preparation</b>	Add 100uL of 1 N acetic acid to a 4mL sample of urine. Sample pH should be between pH 5 and pH 7.
<b>Cartridge Conditioning</b>	2mLs methanol, followed by 2mL of water, followed by 1mL of water, followed by 1mL of N acetic acid.
<b>Sample Addition</b>	2mLs methanol, followed by 2mL of water, followed by 1mL of water, followed by 1mL of N acetic acid.
<b>Cartridge Wash</b>	2mL of water, followed by 1mL of N acetic acid, followed by 2mL of methanol. Air dry cartridge under vacuum for 5 minutes.
<b>Analyte Elution</b>	2mL of 2% Ammonium hydroxide in 80/20 methylene chloride \ isopropanol. For GC add 50uL of DMF to eluate and evaporate eluate to 50uL under nitrogen at 40°C. Inject 1 to 2uL. For GC\MS dry eluate under nitrogen at < 40°C. derivatize and reconstitute in appropriate solvent. Inject 1 to 2uL.
<b>Alternative Analyte(s) Elution</b>	2mL of ammonium hydroxide in ethanol.
<b>Alternative Analyte(s) Extraction</b>	Add 3mL of water, followed by 0.2mLs of chloroform. Vortex for 20 seconds and allow layers to separate. For GC inject 1 to 2uL of chloroform layer to another test tube, dry under nitrogen at < 40°C, derivatize and reconstitute in appropriate solvent. Inject 1 to 2uL.