

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE121**ISOLATION OF PROSTAGLANDINS AND OTHER
ARACHIDONIC ACID METABOLITES**

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|-------------------------------|---|
| Spe-ed™ Cartridge | Cat. No. 2003- Octadecyl C18/14%,500mg/3mL. Process with <i>Spe-ed Mate</i> . |
| Sample Preparation | Adjust sample pH to 3 with 1 N formic acid. |
| Cartridge Conditioning | 2 x 3mL of methanol, followed immediately by 3mL of 0.05 N formic acid (pH 3). DO NOT ALLOW CARTRIDGE TO RUN DRY! |
| Sample Addition | Add up to 2mL of prepared serum or 10mL of urine. Aspirate sample completely from cartridge. |
| Cartridge Wash | 2 sequential 0.5mL volumes of 75% 0.05 N formic acid/ 25% acetonitrile. Air-dry cartridge under vacuum for 3-4 minutes. |
| Analyte Elution | 2 sequential 0.5mL volumes of methanol. It may be necessary to evaporate sample and reconstitute in an analytically suitable solvent/ solution. |

Note: *Since sample matrix interferences and concentrations may vary from sample to sample, it may be necessary to adjust the wash and elution solvent/solvent solution and/or volume to optimize isolation.*

The logo for Applied Separations, featuring the company name in a bold, sans-serif font with horizontal lines above the word "Applied".

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