

**SPE**Solid Phase  
Extraction

# Application Note

World Leaders in Sample Preparation

**SPE162****ISOLATION OF THIORIDAZINE FROM SERUM**

<b>Spe-ed™ Cartridge</b>	Cat. No. 2221- Cyanopropyl (encap), 100mg/1mL. Process with <i>Spe-ed Mate</i> .
<b>Cartridge Conditioning</b>	1mL methanol 1mL deionized distilled water <b>DO NOT ALLOW CARTRIDGE TO RUN DRY!</b>
<b>Sample Addition</b>	Slowly add 500uL of serum to cartridge. Fill cartridge to top frit. Allow serum to remain in cartridge for 5 minutes, then aspirate sample through cartridge.
<b>Cartridge Wash</b>	100uL deionized water 100uL of acetone Air dry under vacuum for 30 seconds..
<b>Analyte Elution</b>	3 x 500uL of 1% 2.5 N ammonium hydroxide in methanol (v\v). Evaporate under N <sub>2</sub> stream, and dissolve in 200uL of methanol: methylene chloride (1:1).
<b>HPLC Analysis Column</b>	Silica, 25cm x 4.6mm
<b>Mobile Phase</b>	Heptane: methylene chloride: methanol (70:20:10) W/0.002% triethylamine
<b>Flow Rate</b>	2mL/minute
<b>Detection</b>	263nm UV
<b>Injection</b>	100uL

**Note:** *Since sample matrix interferences and concentrations 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.*

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