

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE143**ISOLATION OF HALOPERIDOL AND REDUCED
HALOPERIDOL FROM PLASMA**

Spe-ed™ Cartridge	Cat. No. 2221- Cyanopropyl (encap), 100mg/ 1mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Add 0.5mL plasma to a 1.5mL disposable polypropylene tube containing 0.5mL of chlorhaloperidol (5mg /mL). Vortex 10 seconds.
Cartridge Conditioning	1mL methanol. 1mL distilled water. DO NOT ALLOW CARTRIDGE TO RUN DRY!
Sample Addition	Aspirate prepared sample through cartridge.
Cartridge Wash	1mL distilled water 1mL of 20% methanol
Analyte Elution	1mL methanol
Evaporation	Evaporate to dryness at 40°C. Under a gentle stream of N ₂ . reconstitute in mobile phase
HPLC Conditions	Nitrile, 5uL 15cm x 4.6mm
Column	10mM K ₂ HPO ₄ (pH 6.8) / acetonitrile /
Mobile phase	1-propanol (50:30:20 v\v\v).
Flow	1.1mL/minute
Detector	ESA Model 5100A Coulochem Detector
Inject	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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