

SPE

Solid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE205

ISOLATION OF LIDOCAINE FROM SERUM

Spe-ed™ Cartridge	Cat. No. 2001-Octadecyl C18/14%, 100mg/1mL. Process with <i>Spe-ed Mate</i> .
Cartridge Conditioning	2 x 3mL of methanol, then 2 x 3mL of distilled deionized water.
Sample Addition	Add 500uL of serum and 500uL of internal standards, 50ug/mL in 0.1 M Na ₂ HPO ₄ of Mepivacaine (preserved with 0.05% formalin).
Cartridge Wash	3 x 3mL of 75% water / 25%methanol
Analyte Elution	2 x 0.5mL of methanol.

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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