

SPESolid Phase
Extraction

Application Note

World Leaders in Sample Preparation

SPE144**ISOLATION OF AMOXICILLIN FROM HUMAN PLASMA**

Spe-ed™ Cartridge	Cat. No.2003-Octadecyl C18/14%, 500mg/3mL. Process with <i>Spe-ed Mate</i> .
Sample Preparation	Dilute 1mL of plasma with 1mL 0.02M KH ₂ PO ₄ .
Cartridge Conditioning	4mLs methanol 1mL 0.02 M KH ₂ PO ₄ .
Sample Addition	Add prepared sample to cartridge. Aspirate sample through cartridge.
Cartridge Wash	1mL 0.02 M KH ₂ PO ₄ 0.5mL H ₂ O.
Analyte Elution	2mLs water / methanol (85:15)
HPLC Conditions	C8, 2.5cm x 4.6mm, 6µm
Column	Water: methanol: 1 M phosphate buffer, pH 7
Mobile phase	(94:6:0.5)
Flow Rate	2mL / minute.
Detection	Uv 225 nm

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.*

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

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