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FOCUS™

Enhanced Polar Recovery

INSTRUCTIONS FOR USE

10 mg, 1 mL cartridge. PN: A5106010
20 mg, 3 mL cartridge. PN: A5306021
50 mg, 6 mL cartridge. PN: A5606050

DESCRIPTION:

Varian's Focus™ is a new solid-phase extraction device for extracting analytes from a wide range of matrices. Focus' unique polar-enhanced sorbent technology uses multiple retention mechanisms to deliver improved recovery, cleaner extracts and reduced LC/MS/MS ion-suppression.

STANDARD PROTOCOLS:

	Standard Method (Bases/Neutrals)	Very Polar Bases (Log P < 1)	Very Polar Neutrals (Log P<1)	Acids
Sample Pretreatment	• None	• Add 2% NH ₄ OH	• No Change	• Add 2% Formic Acid
Condition	• 1 mL Methanol • 1 mL DI Water	• No Change • 1 mL 2% NH ₄ OH Solution	• No Change	• No Change • 1 mL 2% Formic Acid
Apply	• Up to 1 mL Sample	• No Change	• No Change	• No Change
Rinse	• 1 mL DI Water • 1 mL 10% ACN	• No Change	• No Change • 1 mL 5-10% MeOH	• No Change
Elute	• 1 mL 6:3:1 MeOH, ACN, Acidified DI Water	• No Change	• No Change	• 1 mL 6:3:1 MeOH, ACN, 2% NH ₄ OH Solution

TIPS:

For analytes that interact through more than strictly hydrophobic mechanisms, rinses of up to 20% acetonitrile can be used to further improve the extract cleanliness.

Weaker acid modifiers such as formic or acetic acids may be used in the elution solvent at higher concentrations (2-5%).

Elution volumes of 200-400 µL can be achieved for most analytes. Use multiple aliquots to further reduce volumes.

For more application information please visit our web site or contact your local Varian sales office:

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