

SPE with a Polymeric Stationary Phase



Purification of synthetic DNA and RNA

Preconcentration of PAHs and PCBs

Extraction of metabolites from biological fluids

Desalting of samples prior to MS analysis



HAMILTON

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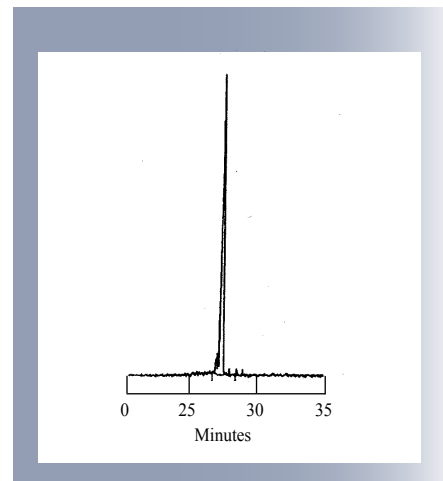
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HAMILTON
THE MEASURE OF EXCELLENCE™

SPE Cartridges, Barrels and 96-well plates



SPE Purified Oligomer

Fig.1

Electropherogram of a 27mer purified with a Syringe Cartridge

Use Hamilton SPE cartridges, barrels, and 96-well plates for rapid and easy purification of synthesized DNA.

Excellent Purity - PRP-1 cartridges provide purity comparable to that obtained with reversed phase HPLC. Depending on your needs, you have the choice of a purified protected oligomer or a purified deprotected oligomer when you use PRP-1 cartridges.

See Figure 1 for an electropherogram of a 27mer purified with a PRP-1 cartridge.

Higher Sample Capacity - One PRP-1 cartridge will purify 20 OD A260 units from a 0.2 μ mole synthesis. Apply your sample once, at the rate of 1-2 drops per second for optimal binding. PRP-1 cartridges do not require multiple applications.

Low Backpressure - Cartridges have very

low backpressure, so loading your sample is easier. Tight controls on particle size ensure consistent batch to batch performance.

Cartridges are designed for a single use, but may be used again for purification of the same oligonucleotide. Cartridges can be used with a syringe or vacuum manifold to load, wash, and elute your samples. Barrels are designed for use with a vacuum manifold.

SPE Ordering Information

PRP-1 Syringe Cartridges

Part #	Description	Bed Volume	Application
79530	Syringe Cartridge 50/pk	150 mg	0.2 μ mole
79537	Syringe Cartridge 10/pk	330 mg	0.3-0.5 μ mole
79559	Syringe Cartridge 10/pk	600 mg	1.0 μ mole

PRP-1 Barrels (for use on vacuum manifolds)

Part #	Description	Bed Volume	Application
79342	Barrel, 1 mL, 50/pk	100 mg	0.2 μ mole
79566	Barrel, 1 mL, 50/pk	150 mg	0.2 μ mole
79345	Barrel, 6 mL, 10/pk	1 gm	1.5 μ mole
79568	Barrel, 20 mL, 10/pk	1 gm	1.5 μ mole
79560	Barrel, 60 mL, 1/pk	10 gm	15.0 μ mole

96 Well Plates

Part #	Description	Bed Volume	Application
79164	96 Well Plate	150 mg/well	0.2 μ mole

Electropherogram courtesy of Lolita Bland, University of Virginia



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