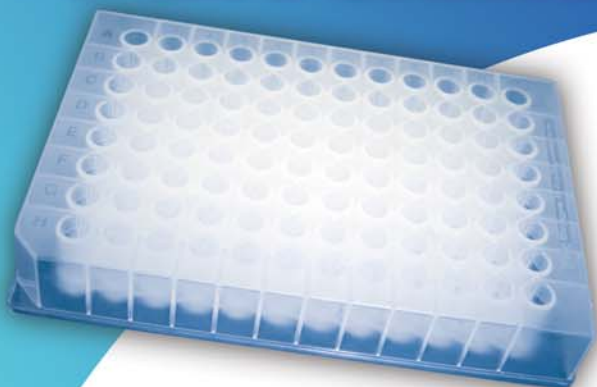


ExcelaPure 96-Well UF PCR Purification Kit



Edge BioSystems
get the edge®

ExcelaPure 96-Well UF PCR Purification Kit

Looking for a simple, economical, automatable high-throughput PCR Purification kit? ExcelaPure 96-Well UF PCR Purification Kit offers all these features and more! Proven ultrafiltration technology is used to provide highly purified PCR products from 100bp – 48.5kb ready for immediate use. Our plate provides optimal recovery of PCR products while efficiently removing excess primers, primer dimers, dNTPs and salts that may interfere with your downstream applications.

Downstream Applications

- Further Amplification
- Sequencing
- Microarray Spotting
- Restriction Digestion
- Cloning

Convenient Processing Options

ExcelaPure 96-Well UF Plates can be processed manually with most vacuum manifolds or easily adapted for automated processing on standard liquid handling instruments.

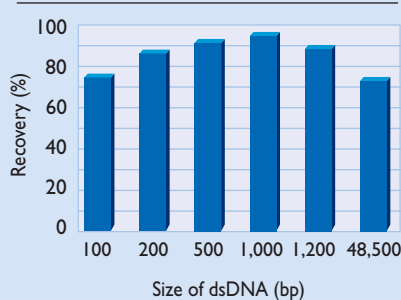
Simple Protocols

Contaminants are filtered to waste under vacuum pressure and your purified PCR products are retained on the membrane. Purified products can be recovered after a quick elution and are ready for use. This system is simple, easy to use and offers consistent recoveries.

Volume Range

Optimized for varying sample volumes, from 50 - 300µl.

Excellent DNA Recovery



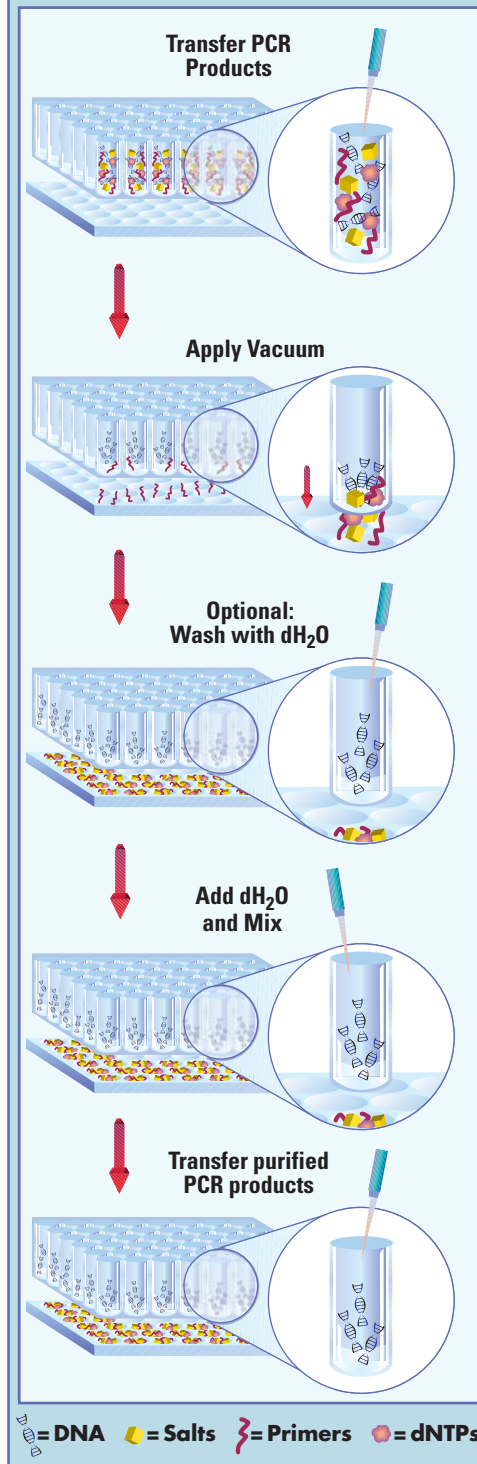
Primer-Dimer Removal

HPLC (λ_{det} 260 nm) traces of a 50bp fragment (1ng/µl in 100µl) after removal with various UF PCR purification products.

- (a) Control
- (b) ExcelaPure
- (c) Product E
- (d) Product Q



What's Happening in the Wells



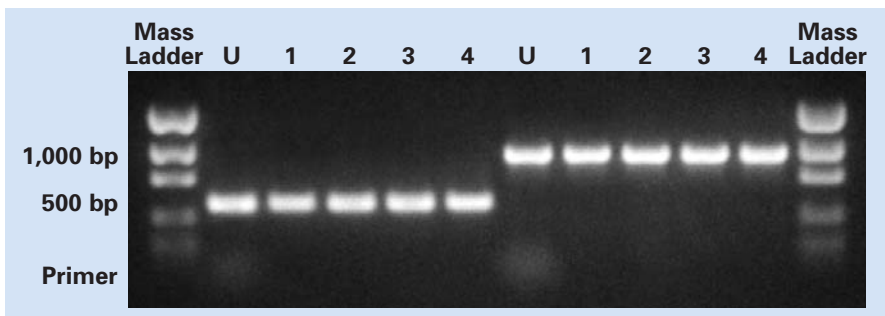


Figure 1.
Consistent Recoveries and Complete Removal of Primers

Unpurified (U) and ExcelaPure purified PCR products (500bp and 1000bp) were loaded in 10 μ l volumes on a 1% TAE agarose gel. Complete removal of primers and consistent recoveries are obtained for each sample.

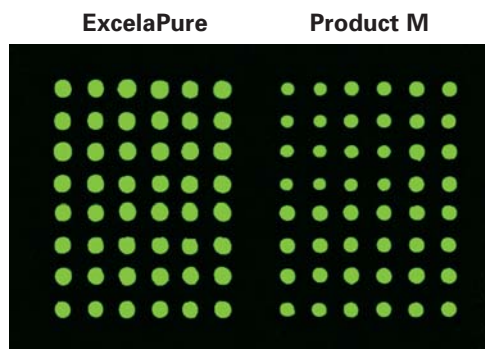


Figure 2.
Microarray Spotting*

Purified PCR products were printed on GAPS2 glass slides (Corning, Corning, NY) and stained with SYBR[®] Green (Molecular Probes, Eugene, OR) to observe binding efficiency and spot morphology. Left: 48 spots from samples purified with the ExcelaPure 96-Well UF Plate. Right: 48 spots from samples purified with Product M.

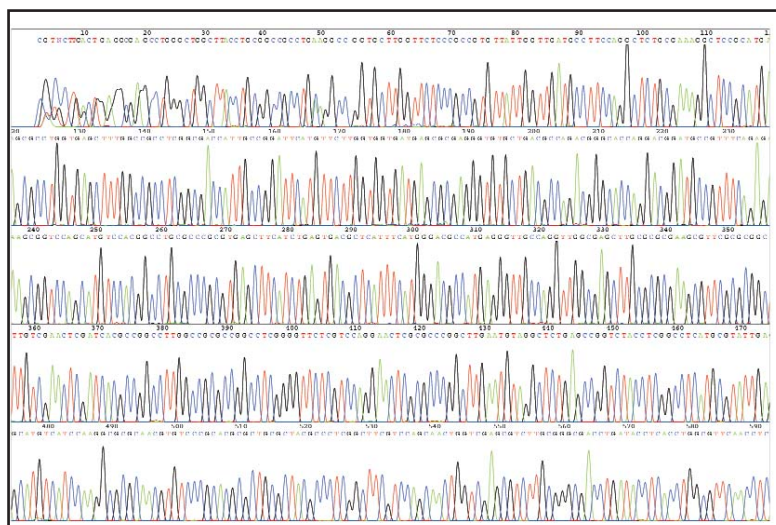


Figure 3.
Sequencing of ExcelaPure purified PCR products

20ng of 1117bp PCR product was sequenced with BigDye[®] Terminator v3.1 chemistry. Sequencing reactions were purified using Edge BioSystems Performa[®] DTR 96-Well Plate. The sequence was analyzed using an ABI PRISM[®] 3730XL DNA Analyzer with a 50 cm capillary array using POP-7[™] polymer.

ORDERING INFORMATION

CATALOG #	PRODUCT DESCRIPTION	SIZE	U.S. LIST PRICE
39614	ExcelaPure 96-Well UF PCR Purification Kit	1 Plate	\$50.00
84900	ExcelaPure 96-Well UF PCR Purification Kit	10 Plates	\$380.00
36181	ExcelaPure 96-Well UF PCR Purification Plates (No Receivers)	10 Plates	\$365.00
95674	ExcelaPure 96-Well UF PCR Purification Plates (No Receivers)	50 Plates	\$1,250.00

*Data supplied by Kevin M. Kiesler, Genomic Analysis and Technology Core, University of Arizona, AZ.

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SYBR is a registered trademark of Molecular Probes, Inc.