

Hard Copy your PCR products with one-step TA Cloning™...

A Universal System for Cloning PCR Products

Direct hard copy cloning of PCR* products into the multifunctional pCR2000™ vector is now possible with the new TA Cloning kit from Invitrogen. This system eliminates inefficient, time consuming reactions normally involved in cloning PCR products and allows direct cloning of amplified nucleic acids from genomic DNA, cDNA or recombinant lambda, cosmids and YACs.

TA Cloning requires:

- NO purification of PCR products
- NO modification of primers to incorporate restriction sites
- NO restriction enzyme digestion
- NO modifying enzymes
- NO sequence information

The TA Cloning system from Invitrogen allows blue/white color selection of recombinants from the pCR2000 vector and is useful for most PCR reactions including:

- Symmetric PCR • Inverse PCR • Alu PCR • Sequence independent PCR • mRNA PCR • Sequence Tagged Site PCR • Anchored PCR

TA Cloning is an ideal system for direct sequencing and expression of PCR products and provides a means of safeguarding precious samples for future analysis, probe generation or other manipulations. The prepared pCR2000 vector is designed to take advantage of the universal ragged ends generated by the terminal transferase activity inherent



in thermophilic polymerases. Each kit contains prepared pCR2000 vector, ligation reagents and competent *E. coli* for 20 reactions. For more information on these and other PCR products call:

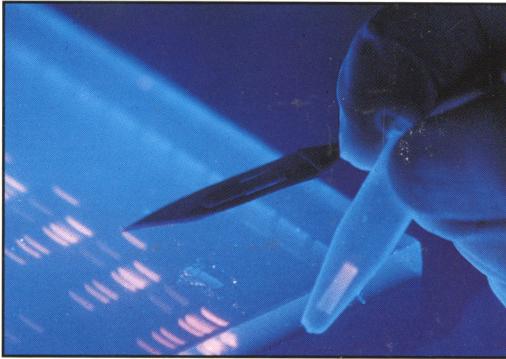
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Invitrogen
CORPORATION

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*PCR is covered by U.S. Pat. #s 4,683,202 and 4,683,195 issued to Cetus Corporation.

Results...



Pure and Simple.

Pure... NuSieve® GTG agarose. A one-of-a-kind, high purity, low melting temperature agarose which resolves small DNA fragments of 10 bp to 1 kb. Ideal for separating small DNA, including PCR products. Yields "biologically active" DNA for reliable cloning in the presence of remelted agarose gel.

Simple... NuSieve GTG agarose. An easy-to-cast, one-component gel system which shortens DNA prep time and eliminates DNA recovery steps.

Only from FMC... NuSieve GTG agarose. One of FMC's certified Genetic Technology Grade™ product line which is compatible with such procedures as restriction digestions, ligations and blotting. Ask for technical information today.

For Research Only. Not for use in diagnostic procedures. NuSieve GTG agarose — U.S. Patent No. 3,956,273 — FMC Corporation. **FMC**, NuSieve and Genetic Technology Grade are trademarks of FMC Corporation. Copyright © 1990 FMC Corporation. All Rights Reserved. The GeneAmp™ Polymerase Chain Reaction (PCR) Process — U.S. Patent No. 4,683,202 — Cetus Corporation



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