

ULTMA DNA POLYMERASE

1. MW Ladder
2. Amplified Undigested, 3' G-C Match
3. Amplified Digested, 3' G-C Match
4. Amplified Digested, 3' A-C Mismatch
5. Amplified Digested, 3' T-C Mismatch
6. Amplified Digested, 3' C-C Mismatch

PCR EFFICIENCY OF
ULTMA DNA POLYMERASE
IS DEMONSTRATED BY
THE ROBUST YIELD OF
THE AMPLIFIED PRODUCT
(LANE 2). EXCEPTIONAL
FIDELITY IN PCR—EVERY
CYCLE, EVERY TIME—
IS EVIDENCED BY 100%
BAMHI DIGESTION OF
AMPLIFIED PRODUCTS
DERIVED FROM CORRECT
(MATCHED) AS WELL AS
MISMATCHED PRIMERS.

The Only Proofreading Enzyme Guaranteed For PCR.

For cloning applications requiring high fidelity PCR, the new *Ultma™* DNA Polymerase corrects misincorporations and prevents misextensions while maintaining amplification efficiency.

Derived from *Thermotoga maritima*, *Ultma* DNA Polymerase is genetically engineered to achieve an optimal balance between proofreading and polymerase activities. Extensive studies in our labs have resulted in a proven enzyme with well-documented, optimized protocols for your most demanding PCR application.

Ultma DNA Polymerase. Another innovation from Perkin-Elmer and the latest addition to our

growing family of PCR enzymes. All backed by our PCR Performance Guarantee. In the U.S., call PE XPRESS at 1-800-762-4002 to order. Or call 1-800-762-4001 for technical information. Outside the U.S., contact your Perkin-Elmer representative.

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Europe Vaterstetten, Germany Tel: 49-8106-381-115 Fax: 49-8106-6697
Canada Montreal, Canada Tel: 514-737-7575 Fax: 514-737-9726
Far East Melbourne, Australia Tel: 61-3-560-4566 Fax: 61-3-560-3231
Latin America Mexico City, Mexico Tel: 52-5-651-7077 Fax: 52-5-593-6223

Perkin-Elmer PCR reagents are developed and manufactured by Roche Molecular Systems, Inc., Branchburg, New Jersey, U.S.A.



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