

New *Effi-Taq*™

Description: *Effi-Taq*™ DNA Polymerase a modified form of Taq DNA Polymerase is supplied in an inactive state that has no polymerase activity at ambient temperature. This prevents extension of non-specifically annealed primers and primer dimers formed at low temperature during PCR setup and initial PCR cycle.

Effi-Taq™ DNA Polymerase is activated by a 20-Minute incubation at 95°C, which can be incorporated into any existing thermal-cycler program. Every lot of *Effi-Taq*™ DNA Polymerase is subjected to a comprehensive range of quality control tests, including a stringent PCR specificity and reproducibility assay in which low-copy targets are amplified.

Features:

- Higher Sensitivity
- Higher Specificity
- Convenient Room Temperature PCR Setup
- Minimal Optimization- saving time and money
- Generates PCR Products with 3'dA overhangs

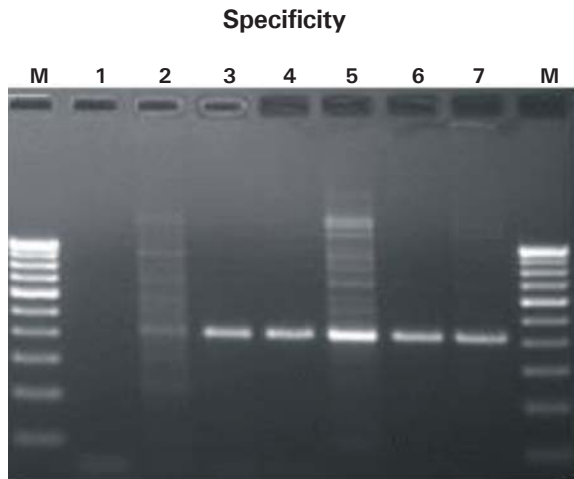
Application:

Effi-Taq™ DNA Polymerase is suitable for PCR systems with

- Complex Genomic Templates
- Complex cDNA Templates (RT-PCR)
- Very low copy targets
- Multiple Primers Reaction (Multiplex PCR)
- High Throughput PCR Procedures
- Systems that are prone to form Primer Dimer

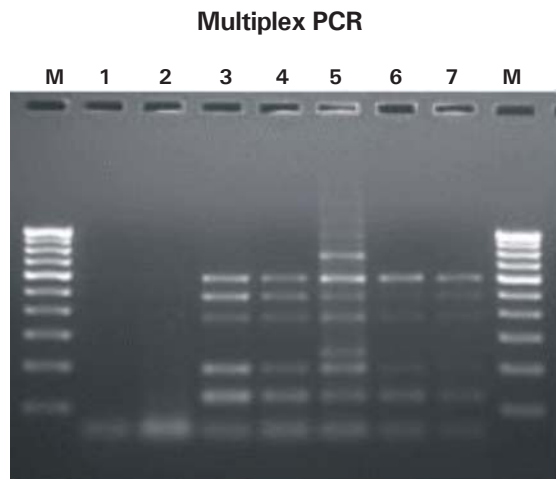
Ordering Information:

Product	Size	Cat #
<i>Effi-Taq</i> ™	1 Pack	117315



Amplification of 400bp region of the human β -globin gene using non-optimized Primers

- Lane M : 100 bp DNA Ladder
- Lane 1 : Reagent Control
- Lane 2 : Taq DNA Polymerase
- Lane 3 : *Effi-Taq*™ DNA Polymerase
- Lane 4 : Competitor A
- Lane 5 : Competitor B
- Lane 6 : Competitor C
- Lane 7 : Competitor D



Amplification of 5 different loci of Cotton Genomic DNA

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- Lane 4 : Competitor A
- Lane 5 : Competitor B
- Lane 6 : Competitor C
- Lane 7 : Competitor D