

Hot Results... Takara Hot Start PCR

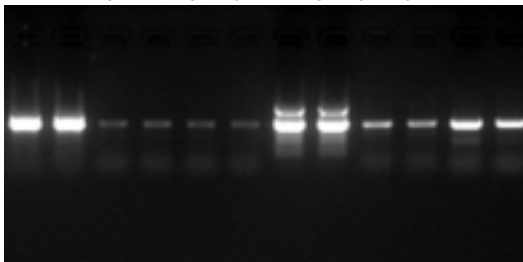
Takara now offers hot-start versions of its high-performance *Ex Taq™* and *LA Taq™* DNA Polymerases. Both contain a monoclonal antibody to *Taq* Polymerase, which increases reaction specificity and sensitivity, reduces background, and facilitates room-temperature reaction assembly.

Ex Taq™ DNA Polymerase, Hot Start

For sensitive, robust, and specific PCR

- **High sensitivity and yield:** Sensitive to 0.025 pg DNA template; amplifies up to 100X more product than *Taq* Polymerase.
- **Reliability:** Unique buffer and enzyme formulations result in less optimization and better reproducibility and fidelity than *Taq* Polymerases.
- **Versatility:** Can amplify products from less than 100 bp to 30 kb (λ DNA) in length.

1 2 3 4 5 6 7 8 9 10 11 12



Amplification of a 1.1 kb *Bacillus* sp. genomic DNA target. Lanes 1 and 2, *Ex Taq™* HS; lanes 3 and 4, *Ampli Taq Gold®*; lanes 5 and 6, *Ampli Taq Gold®* with 10X *Ampli Taq Gold®* Buffer; lanes 7 and 8, *Advantage™* 2 Polymerase; lanes 9 and 10, *Platinum® Taq*; lanes 11 and 12 *Proof-Start™* DNA Polymerase.

NEW *LA Taq™* DNA Polymerase, Hot Start

For reliable, specific long PCR

- **Long amplifications:** Synthesize products up to 30 kb (genomic DNA) and 43 kb (λ DNA).
- **Improved fidelity:** 6.5X higher fidelity than *Taq* DNA Polymerase.
- **Less optimization and greater yield:** Robust enzyme-buffer system often result in less optimization and higher yields than other long polymerases.

Takara

For more information,
call or visit our website!

Get Hot Results Today!

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