



Creative Enzymes

Diagnostic Enzymes

HotStart Direct Taq DNA Polymerase

Product Information

Cat#	POL-008
Storage	Store at -25 ~ -15°C for 2 years.
Activity	50 U/μL
Features	<p>High specificity: A dual-blocked, hot-start enzyme that simultaneously inhibits 5'→3' Taq DNA polymerase and 5'→3' exonuclease activity at room temperature, enhancing reaction specificity.</p> <p>No nuclease residue: Free of exonuclease, endonuclease, and RNase residues.</p> <p>High enzyme activity with some tolerance to inhibitors such as blood.</p>
Description	<p>HotStart Direct Taq DNA Polymerase is a hot-start DNA polymerase resistant to blood and other inhibitors. It uses antibody blocking and exhibits excellent amplification sensitivity and specificity. Heating at a pre-denaturing temperature for 30 seconds completely inactivates the blocking antibody, releasing DNA polymerase activity. Using this hot-start Taq enzyme effectively inhibits amplification caused by primer non-specific annealing.</p>
Specification	100 μL; 1 mL; 25 mL; 100 mL

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