



**Creative Enzymes**

*Diagnostic Enzymes*

## Hotstart Taq DNA Polymerase

### Product Information

<b>Cat#</b>	POL-007
<b>Notes</b>	For your safety and health, please wear a lab coat and disposable gloves.
<b>Storage</b>	Store at -25 ~ -15°C for 2 years.
<b>Activity</b>	5 U/ $\mu$ L
<b>Features</b>	<p>High specificity: The dual-blocked hot-start enzyme simultaneously inhibits 5'→3' Taq DNA polymerase and 5'→3' exonuclease activities at room temperature, improving reaction specificity.</p> <p>No nuclease residue: Free of exonuclease, endonuclease, and RNase residues.</p> <p>Suitable for high-sensitivity PCR and multiplex PCR experiments.</p>
<b>Description</b>	<p>Hotstart Taq DNA polymerase is a thermostable mutant Taq DNA polymerase blocked with antibodies. The polymerase activity is inhibited at 60°C, but released upon heating to 95°C, thus preventing non-specific amplification and primer dimers during sample preparation and reaction heating. The possesses both 5'→3' polymerase and 5'→3' exonuclease activities, similar to wild-type Taq DNA polymerase, but lacks 3'→5' exonuclease activity.</p>
<b>Applications</b>	This product is a hot-start Taq enzyme suitable for multiplex amplification.
<b>Specification</b>	250 U; 500 U; 1000 U; 10000 U; 25000 U

Tel: 1-631-562-8517 1-516-512-3133

Email: [info@creative-enzymes.com](mailto:info@creative-enzymes.com)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA