



Creative Enzymes

Diagnostic Enzymes

Super Bst DNA Polymerase (120 U/ μ L)

Product Information

Cat#	POL-015
Storage	Store at -25 ~ -15°C for 2 years.
Activity	120 U/ μ L
Features	It exhibits strong thermal stability, enabling 70°C LAMP, or, when combined with heat-resistant MMLV, 70°C RT-LAMP.
Description	Super Bst DNA Polymerase is derived from Thermophilic <i>Geobacillus</i> sp. DNA Polymerase I, genetically engineered to remove its 5'→3' exonuclease activity. This product exhibits strong 5'→3' DNA polymerase activity, strand displacement activity, and dUTP tolerance, making it more suitable for contamination-resistant isothermal amplification reactions such as LAMP and CPA. Compared to Bst Plus DNA Polymerase, this product improves the thermostability of the Bst enzyme, contributing to enhanced amplification performance. This enzyme is suitable for both low-template and high-temperature LAMP reaction systems, effectively improving detection specificity and shortening detection time. Its thermostability also makes it suitable for developing hot-start Bst, further enhancing detection specificity.
Applications	This product is suitable for various isothermal amplification reactions such as LAMP, CPA, and RCA.
Specification	6000 U; 24000 U; 120000 U

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

Email:info@creative-enzymes.com

Fax:1-631-938-8127

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