

**Materials Provided**

Components	Size
Bst DNA Polymerase	1600 U/8000 U
Bst DNA Polymerase 10× Reaction Buffer	1.5 mL
100 mM MgSO <sub>4</sub>	1.5 mL

**Product Details**

Bst DNA Polymerase is a recombinant form of *Bacillus stearothermophilus* DNA Polymerase, Large Fragment produced in *Escherichia coli*. Bst DNA Polymerase contains 5'→3' DNA polymerase activity with either DNA or RNA templates and strong strand displacement activity, but lacks 5'→3' and 3'→5' exonuclease activity.

**Application**

Isothermal amplification (LAMP, RT-LAMP).

DNA sequencing of rich GC sequence.

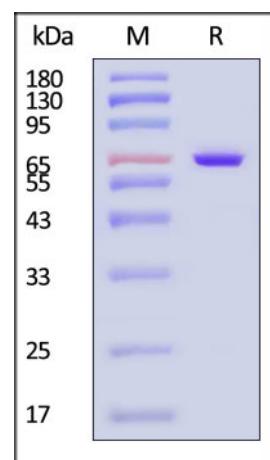
Rapid sequencing of DNA templates (ng).

**Unit Definition**

One unit is defined as the amount of enzyme that will incorporate 10 nmol of dNTP into acid insoluble material in 30 minutes at 65°C.

**Purity**

>90% as determined by SDS-PAGE.

**SDS-PAGE**

The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

**Bioactivity****Enzyme Activity**

>8 U/μL

**Formulation**

Supplied as 0.2 μm filtered solution in 10 mM Tris-HCl, pH7.1 with glycerol as protectant.

Contact us for customized product form or formulation.

**Shipping**

*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

**Storage**

This product is stable after storage at:

- The product MUST be stored at -20°C or lower upon receipt.
- -20°C for 3 months under sterile conditions.

**Discounts, Gifts,  
and more!**



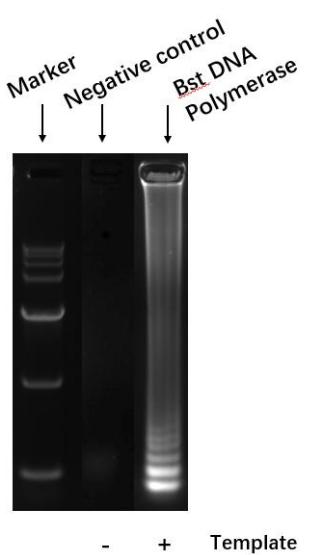
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## Bst DNA Polymerase

Catalog # DNI-B5113



BIOSYSTEMS  
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Surprise Inside!



One unit is defined at the amount of enzyme that will incorporate 10 nmol of dNTP into acid insoluble material in 30 minutes at 65°C (QC tested).

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