

Bst DNA Polymerase (Glycerol-Free)

Catalog Number	LDG0012RF
Package	1,600 U / 8,000 U / Customized package

For full product information, images and publications, please visit [our website](#).



Overview

Description

Bst DNA Polymerase (Large fragment) is an enzyme of *Bacillus stearothermophilus* DNA polymerase which can catalyze 5' → 3' polymerase activity but lacks 5' → 3' exonuclease activity. Bst DNA Polymerase offers strand displacement capabilities, making it ideal for isothermal amplification. The enzyme formulation does not contain glycerol and is compatible for further lyophilization process.

Components

Package	Items	Quantity
1,600 U	Bst DNA Polymerase (Large Fragment) (Glycerol-Free) (8 U/μL)	1 vial (1,600 U)
	10× Bst DNA Polymerase Reaction Buffer (Mg ²⁺ Free)	1 vial (1 mL)
	100 mM MgSO ₄	1 vial (1 mL)
8,000 U	Bst DNA Polymerase (Large Fragment) (Glycerol-Free) (8 U/μL)	1 vial (8,000 U)
	10× Bst DNA Polymerase Reaction Buffer (Mg ²⁺ Free)	3 vials (1 mL)
	100 mM MgSO ₄	3 vials (1 mL)

Specifications

Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Expression system

Escherichia coli

Concentration

8 U/ μ L

Unit Definition

One unit is defined as the amount of the enzyme incorporates 10 nmol of dNTP into acidinsoluble product in 30 minutes at 65°C.

Application

Loop-mediated Isothermal Amplification (LAMP)

Purity

>98% as determined by SDS-PAGE analysis.

Form

Liquid

Instruction**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

Avoid repeated freeze/thaw cycles.

Disclaimer : For Research Use or Further Manufacturing Only.

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