

## Bst III DNA Polymerase (High sensitivity) (Glycerol-free)

## **Product Information**

1 Todast Information	
Cat#	DIA-456
Description	This engineered Bst DNA polymerase retains $5'\rightarrow 3'$ polymerase activity and strong strand displacement while lacking $5'\rightarrow 3'$ exonuclease activity. Designed for highefficiency, high-sensitivity isothermal amplification (e.g., LAMP). Includes accessory protein A, enhancing LAMP sensitivity by $10-100x$ . Integrates next-generation hot-start technology: enzyme activity is blocked below 50 °C and rapidly released above 50 °C, increasing specificity. Supports room-temperature reaction setup. Glycerol-free, suitable for lyophilization, with no excipients included.
Storage	−30 °C to −15 °C
Applications	LAMP/RT-LAMP isothermal amplification.
Product Overview	Product Components:
	1600 U:
	High-sensitivity Bst III DNA Polymerase (Glycerol-free, 8 U/ $\mu$ L): 200 $\mu$ L
	10x HS IsothermalAmp Buffer: 1 mL
	MgSO <sub>4</sub> (100 mM): 1 mL
	dNTP Mix (10 mM each): 1 mL
	8000 U:
	High-sensitivity Bst III DNA Polymerase (Glycerol-free, 8 U/μL): 1 mL
	10x HS IsothermalAmp Buffer: 3 x 1 mL

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## Bst III DNA Polymerase (High sensitivity) (Glycerol-free)

MgSO<sub>4</sub>(100 mM): 2 x 1 mL

dNTP Mix (10 mM each): 4 mL

**Product Features:** 

Strong amplification performance: high sensitivity and rapid speed

Robust impurity tolerance: enables direct PCR from saliva, nasal swabs, and throat swabs

Supports room temperature system setup

**Package** 

1600/8000 U

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