Bst II DNA Polymerase (Large Fragment, Glycerol Free)

Bst II DNA Polymerase (Large Fragment, Glycerol Free) is a modified version of Bacillus stearothermophilus DNA polymerase. It has been engineered and expressed in Escherichia coli. This product exhibits strong 5-3' DNA polymerase activity and strand displacement activity but lacks 5-3' exonuclease activity, and the optimal reaction temperature is 65?. It is suitable for various isothermal amplification reactions, such as Loop-Mediated Isothermal Amplification (LAMP), Rolling Circle Amplification (RCA), Helicase-Dependent Amplification (HDA), etc.

Compared to the wild-type enzyme, Bst II DNAPolymerase (Large Fragment, Glycerol Free) has a faster amplification rate, stronger dUTP tolerance, salt tolerance, and improved stability.

This product is glycerol-free and can be used for the preparation of various lyophilized reagents.

Component supplied: **1. Bst II DNA Polymerase (Large Fragment, Glycesrol Free): 200uL / 1mL**

2. Bst II Reaction Buffer [10x]: 1mL / 3 x 1mL

3. MgSO? [100 mM]: 1mL / 3 x 1mL

Catalog No.	518102
Size	1600 units / 8000 units
Product Category	Isothermal Amplification
Concentration	8U/uL
Storage/Stability	-20°C / 1 year
Shipping	Gel Packs