

Bst DNA Polymerase, exo-

For research use only

Product	Qty.	Cat. No.	Conc.	Remarks
Bst DNA Polymerase, exo-	3,000 unit	EBT-1701	60 unit/ μ l	
	15,000 unit	EBT-1702	60 unit/ μ l	

Description

Bst DNA Polymerase is a recombinant DNA polymerase from *Bacillus stearothermophilus*. Bst DNA Polymerase is purified from an *E.coli* strain carrying a plasmid with the cloned gene encoding large fragment of DNA polymerase. It contains the 5' \rightarrow 3' polymerase activity, but lacks 5' \rightarrow 3' exonuclease activity. For this reason, Bst DNA Polymerase can be effectively used in chain displacement reaction at high temperature, 65°C.

Storage Buffer

60 unit/ μ l in 10 mM Tris-HCl, pH8.0, 50 mM KCl, 0.1 mM EDTA, 1 mM DTT, 0.1% Triton X-100, and 50% Glycerol.

10x Reaction Buffer w/ MgCl₂

200 mM Tris-HCl, pH8.8, 100 mM (NH₄)₂SO₄, 100 mM KCl, 20 mM MgSO₄, 1% Triton X-100.

Unit Definition

One unit of enzyme incorporates 10 nmole of dNTP into acid insoluble material in 30 min at 65°C.

Storage Condition

Store at -20°C.