



For research use only

ISO9001

Bsu DNA Polymerase

Product	Quantity	Cat. No.	Remarks
Bsu DNA Polymerase	250 unit	EBT-3005	5 unit/ μ l

Description

Bsu DNA Polymerase I is a DNA-dependent DNA polymerase lacks the 5'→3' and 3'→5' exonuclease activities. This DNA polymerase has a strong strand displacement activity. Bsu DNA Polymerase I gene is obtained from *Bacillus subtilis* and the polymerase is purified from a recombinant *E.coli* strain.

Concentration & Storage Condition

5 unit/ μ l. Store at -20°C.

Storage Buffer

50 mM Tris-HCl, pH 7.5, 1 mM DTT, 0.1 mM EDTA, 50% (v/v) glycerol.

10x Reaction Buffer

100 mM Tris-HCl, pH 7.5, 500 mM NaCl, 100 mM MgCl₂, 10 mM DTT.

Unit Definition

One unit is defined as the amount of enzyme required to catalyze the incorporation of 10 nmol of dNTPs into acid insoluble material in 30 min at 37°C.

QC Tests

Activity, exo and endonuclease activity test, DNA contamination test, SDS-PAGE purity, performance tests.



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