

Datasheet for ABIN3188182

Bst DNA Polymerase, Large Fragment

Overview

Quantity: 1600 U

Application: DNA Manipulation (DNA Man)

Product Details

Characteristics: Bst DNA Polymerase, Large Fragment is a DNA polymerase from *Bacillus stearothermophilus* that is modified so that it retains its 5'→3' *DNA polymerase activity while lacking the intrinsic 5'→3' exonuclease domain. This polymerase also has strand displacement capabilities making it an ideal candidate for isothermal amplification.*

Components: Enzyme supplied with 2X Reaction Buffer

Unit Definition: One unit is defined as the amount of Bst DNA Polymerase, Large Fragment that that catalyzes the incorporation of 10 nmol of dNTP into acid insoluble material in 30 minutes at 65°C.

Application Details

Comment:

- Isothermal amplification
- DNA sequencing of high GC DNA
- Sequencing from very low amounts of template DNA
- DNA strand displacement amplification

Restrictions: For Research Use only

Handling

Concentration: 8 U/μL

Buffer: 10 mM Tris-HCl (pH 7.5), 0.1 mM EDTA, 1 mM DTT, 50 mM KCl, 0.1 % Triton® X-100 and 50 % (v/v) Glycerol.

Storage: -20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)