

DNA Polymerase Enzyme (15 kb)

Catalogue No.: abx071012

Taq DNA Polymerase is a hot start Taq DNA polymerase containing Taq DNA polymerase and two proprietary DNA binding proteins. At room temperature, one binding protein binds to doublestranded DNA template and another binding protein binds to primers. These unique formulations effectively neutralize the DNA polymerase activity at room temperature. Blocking proteins are released from primers and templates during the initial denaturation. Amplification of genomic DNA fragment up to 15 kb.

Target: DNA Polymerase (15 kb)

Tested Applications: PCR

Conjugation: Unconjugated

Purity: > 99% (SDS-PAGE)

Quality Control: Assayed for amplification efficiency to amplify the p53 gene from 10 ng of human genomic DNA.

Storage: Store at -20 °C for up to 2 years. Avoid repeated freeze/thaw cycles.

Buffer: 20 mM Tris-HCl (pH 8.0), 0.1 mM EDTA, 1 mM DTT, 100 mM KCl, 50% glycerol, stabilizers.

Endotoxin Level: Functional absence of double and single stranded endonuclease activity.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.