

Pfu DNA Polymerase

Catalog # D0014

Size 1000 Units, 500 Units, 2500 Units

Specification

Product Description	In addition to 5'-3' DNA polymerase activity, it also possesses 3'-5' exonuclease (proofreading) activity. <i>Pfu</i> DNA Polymerase exhibits the lowest error rate of any thermostable DNA polymerase studied, and is even up to ten-fold more accurate than normal Taq DNA polymerase. Consequently, <i>Pfu</i> DNA Polymerase is useful for polymerization reactions requiring high-fidelity synthesis.
Concentration	5 units/uL
Quality Control Testing	Free of detectable, non-specific nucleases.
Supplied Product	10x Pfu buffer 10x Pfu Buffer with MgSO ₄ 25 mM MgSO ₄
Storage Buffer	20 mM Tris-HCl (pH 8.0), 1 mM DTT, 0.1 mM EDTA, 100 mM KCl, 0.5% Nonidet P40, 0.5% Tween 20 and 50% glycerol.
Storage Instruction	Store at -20°C. Guaranteed stable for 6 months when properly stored.

Applications

- Polymerase Chain Reaction