

# Pfu DNA Polymerase

Catalog # D0014

Size 2500 Units, 1000 Units, 500 Units

## Specification

<b>Product Description</b>	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.
<b>Concentration</b>	5 units/uL
<b>Quality Control Testing</b>	Free of detectable, non-specific nucleases.
<b>Supplied Product</b>	10x Pfu buffer 10x Pfu Buffer with MgSO <sub>4</sub> 25 mM MgSO <sub>4</sub>
<b>Storage Buffer</b>	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.
<b>Storage Instruction</b>	Store at -20°C. Guaranteed stable for 6 months when properly stored.

## Applications

- Polymerase Chain Reaction