



## Taq PLUS DNA Polymerase

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Taq Plus DNA Polymerase is a mixture of Taq DNA Polymerase and Pfu; a proofreading DNA Polymerase; which allows for the amplification of long templates; up to 20kb; with high fidelity. The two enzymes act synergistically during PCR to generate more accurate and longer PCR products with greater yields compared to Taq DNA Polymerase alone. PCR products; amplified up to 20kb in length with Taq Plus DNA Polymerase; contain a mixture of blunt ends and single base (A) 3' overhang. The error rate of this PCR amplification is  $7.5 \times 10^{-5}$  per nucleotide per cycle.

One unit (U) is defined as the amount of enzyme needed to catalyze the incorporation of 10nm of deoxyribonucleotides into acid-insoluble material in 30 minutes at 70°C using herring sperm DNA as a substrate.

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| Catalog No.       | 510002              |
| Size              | 250 units           |
| Product Category  | PCR / qPCR / RT-PCR |
| Storage/Stability | -20°C/1 year        |
| Shipping          | Gel Packs           |