



Taq PLUS DNA Polymerase

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 7.5×10^{-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.

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