

Pilot phi29 DNA Polymerase

Product Information

Cat#	DIA-460
Description	An enhanced version of phi29 DNA Polymerase, retaining all advantages of the original while improving thermal stability, reaction speed, and salt tolerance. Exhibits strong multi-strand displacement, continuous synthesis, and 3'→5' exonuclease activity.
Applications	Rolling Circle Amplification (RCA); Whole Genome Amplification (WGA) from single cells, uncultured microbial cells, or viral particles; metagenomic studies; genomic DNA for SNP and STR analysis; high-fidelity DNA synthesis.
Product Overview	Product Components: 200 U: Pilot phi29 DNA Polymerase (10,000 U/mL): 25 µL 10x phi29 DNA Polymerase Reaction Buffer V2: 1.25 mL 1250 U: Pilot phi29 DNA Polymerase (10,000 U/mL): 125 µL 10x phi29 DNA Polymerase Reaction Buffer V2: 1.25 mL
Package	200/1250 U