



## Phi29 DNA polymerase (enhanced)

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Phi29 DNA polymerase V2 is optimized on the basis of the original protein sequence, which enhances thermal stability, has strong strand displacement ability and processive synthesis property. Especially suitable for Rolling circle amplification (RCA) and Multiple Displacement Amplification (MDA). The enzyme has 3'-5' exonuclease activity, but no 5' -3' exonuclease activity, which can ensure the high fidelity of amplification reaction. Therefore, it is suitable for high-fidelity isothermal PCR, and Whole Genome Amplification of single cells, pathogenic microorganisms, and metagenome. WGA), amplified DNA from dry blood spot samples, single cell genome amplification, SNP genotyping and STR/ microsatellite analysis.

Catalog No.	518111
Size	250 units / 2500 units
Product Category	Isothermal Amplification
Storage/Stability	-20°C / 2 years
Shipping	Gel Packs