



Creative Enzymes

Diagnostic Enzymes

High-Fidelity Amplification Mix

Product Information

Cat#	DIA-560
Description	<p>This high-fidelity amplification mix is designed for PCR amplification of next-generation sequencing (NGS) libraries. Its mismatch rate is approximately 1/82 that of Taq DNA polymerase, ensuring high amplification accuracy and preserving library authenticity. The mix is formulated using an engineered high-fidelity DNA polymerase combined with an optimized buffer system, enabling highly uniform, low-bias, and high-fidelity library amplification. This significantly improves sequencing data quality.</p> <p>Supplied as a 2× premixed solution, the product requires only the addition of template and primers, simplifying workflow, reducing pipetting errors, and improving experimental reproducibility. All components are stringently quality-controlled and functionally validated to ensure stable and reliable library amplification.</p>
Storage	-30 – -15 °C
Applications	Conventional DNA libraries (WGS libraries, targeted sequencing libraries, amplicon libraries) and RNA libraries.
Product Overview	High fidelity: Ensures accurate variant detection with uniform amplification.
Package	24 rxns High-Fidelity Amplification Mix: 600 µL PCR Primer Mix for Illumina: 120 µL

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