



**Creative Enzymes**

*Diagnostic Enzymes*

## Enhanced DNA Library Prep Kit, MGI- Compatible

### Product Information

<b>Cat#</b>	Kit-069
<b>Description</b>	Optimized for MGI sequencing platforms, this kit includes a DNA repair module for FFPE samples and supports input DNA from 100 pg–1 µg. The kit repairs FFPE-induced DNA damage without affecting normal DNA library quality. Enhanced end-repair, ligation, and amplification modules improve library conversion and yield. It is suitable for diverse sample types and compatible with targeted capture workflows. Reagents are strictly quality-controlled to ensure consistent and reproducible library preparation.
<b>Storage</b>	-30 – -15 °C
<b>Applications</b>	Whole-genome sequencing; whole-exome or other targeted capture sequencing; amplicon sequencing; metagenomic sequencing; methylation sequencing.
<b>Product Overview</b>	<p>Efficient DNA damage repair: Effectively repairs base damage, nicks, gaps, and 3'-end blocking lesions.</p> <p>High library construction efficiency: Improved library conversion efficiency and amplification yield.</p> <p>Broad template compatibility: Compatible with gDNA, FFPE DNA, cfDNA, amplicons, and other sample types.</p> <p>Robust performance across sample quality: Excellent performance on FFPE DNA with varying DIN values.</p> <p>Short library preparation time: Single library preparation completed within 90 minutes.</p>
<b>Package</b>	24 rxns DNA Dmage Repair Enzyme: 48 µL End Prep Buffer: 240 µL End Prep Enzyme: 120 µL Rapid Ligation Buffer: 600 µL Rapid DNA Ligase: 120 µL High-Fidelity Amplification Mix: 600 µL

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PCR Primer Mix for MGI: 120  $\mu$ L

Control DNA (264 bp, 50 ng/ $\mu$ L): 10  $\mu$ L

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