



# Creative Enzymes

Diagnostic Enzymes

## DNA Library Prep Kit, MGI-Compatible, Version III

### Product Information

<b>Cat#</b>	Kit-058
<b>Description</b>	<p>This ultra-rapid enzymatic DNA library preparation kit is specifically developed for MGI high-throughput sequencing platforms. It features a simplified workflow that shortens library preparation time to approximately 2 hours per sample, while maintaining high library conversion efficiency and low background contamination.</p> <p>The kit supports 100 pg–500 ng input DNA and is compatible with a wide range of sample types, including bronchoalveolar lavage fluid, blood cells, serum, plasma, and cerebrospinal fluid. It is particularly suitable for pathogen detection and other applications requiring high sensitivity and low background noise.</p>
<b>Storage</b>	-30 – -15 °C
<b>Applications</b>	Whole-genome sequencing; library construction from single-cell amplified products; mNGS testing.
<b>Product Overview</b>	<p>Fast library preparation: Single library preparation completed in as little as 100 minutes.</p> <p>Low background contamination: Strict control of background nucleic acids ensures clean data.</p> <p>Accurate pathogen detection: Enables precise identification of pathogens in samples.</p>
<b>Package</b>	24 rxns FEA Enzyme Mix III: 60 µL Rapid Ligation Buffer III: 180 µL Rapid DNA Ligase III: 30 µL High-Fidelity Amplification Mix: 150 µL PCR Primer Mix III for MGI: 30 µL Enhancer Buffer: 60 µL

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