



**Creative Enzymes**

*Diagnostic Enzymes*

## Enhanced DNA Library Prep Kit, Illumina- Compatible, Version III

### Product Information

<b>Cat#</b>	Kit-057
<b>Description</b>	<p>This ultra-rapid enzymatic DNA library preparation kit is optimized for Illumina high-throughput sequencing platforms. It streamlines the library construction workflow, reducing hands-on time and enabling completion of a single library in approximately 2 hours. The kit combines high library conversion efficiency with low background nucleic acid interference.</p> <p>It supports input amounts ranging from 100 pg to 500 ng and is compatible with DNA from various sample types, including bronchoalveolar lavage fluid, blood cells, serum, plasma, and cerebrospinal fluid. These features make it well suited for applications such as pathogen and infectious disease detection.</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 Illumina: 30 µL Enhancer Buffer: 60 µL

Tel: 1-631-562-8517 1-516-512-3133

Email: [info@creative-enzymes.com](mailto:info@creative-enzymes.com)

Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA