



**Creative Enzymes**

*Diagnostic Enzymes*

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

### Product Information

<b>Cat#</b>	Kit-054
<b>Description</b>	<p>This kit is designed for high-quality DNA library construction on Illumina sequencing platforms. It employs an engineered transposase to fragment DNA, converting DNA fragmentation, end repair, and adapter ligation into a single enzymatic reaction. This streamlined workflow significantly reduces required input DNA and shortens library preparation time.</p> <p>As an upgraded version of earlier transposase-based kits, this version further optimizes the library construction process, delivering higher-quality libraries while maintaining low background nucleic acid interference. It is suitable for applications requiring rapid, efficient, and reproducible Illumina-compatible library preparation.</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>Unified workflow: Simpler and more time-efficient.</p> <p>Improved data quality: Reduced GC bias, lower false positives, and superior pathogen detection.</p> <p>Innovative adapter-dimer-free technology: Enables library construction with low input without generating adapter dimers.</p>
<b>Package</b>	24 rxns Tagmet Enzyme Mix P50: 96 µL 5x Tagment Buffer L: 96 µL Universal Neutralization Buffer: 96 µL Amplification Mix: 384 µL Control DNA (Mouse Genomic DNA, 50 ng/µL): 10 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