

# Universal DNA Library Prep Kit for Illumina V3

## Product Information

<b>Cat#</b>	Kit-059
<b>Description</b>	<p>Optimized for the Illumina platform, this kit supports input DNA from 100 pg to 4 µg. Comprehensive improvements to end-repair, ligation, and amplification modules enhance library conversion efficiency and amplification yield. It is suitable for various sample types, including PCR and PCR-free libraries, and is compatible with targeted capture workflows. All reagents undergo strict quality control and functional verification to ensure reproducible and reliable library construction.</p> <p>Compatible sample types include: genomic DNA (gDNA), cell-free DNA (cfDNA/ctDNA), FFPE DNA, ChIP DNA, and multiplexed amplicons.</p>
<b>Storage</b>	-30 °C to -15 °C
<b>Applications</b>	Whole-genome sequencing (WGS); whole-exome sequencing (WES) or other targeted capture sequencing; amplicon sequencing; chromatin immunoprecipitation sequencing (ChIP-seq); metagenomic sequencing; methylation sequencing.
<b>Product Overview</b>	<p>Shorter library preparation time: Single library preparation completed in as little as 75 minutes.</p> <p>Higher adapter ligation efficiency: Results in improved library conversion rates.</p> <p>Simplified and fast workflow: Pre-mixed reagents minimize hands-on steps and reduce operational errors.</p> <p>Wide input DNA compatibility: Supports starting DNA inputs from 100 pg to 4 µg.</p> <p>Broad sample compatibility: Suitable for fragmented DNA, cfDNA, FFPE DNA, ChIP DNA, and more.</p>
<b>Package</b>	<p>24 rxns</p> <p>End Prep Mix 4: 360 µL</p> <p>Rapid Ligation Buffer 2: 600 µL</p> <p>Rapid DNA Ligase: 120 µL</p> <p>HiFi Amplification Mix: 600 µL</p> <p>PCR Primer Mix 3 for Illumina: 120 µL</p>

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Control DNA (264 bp, 50 ng/μL): 10 μL

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