

UltraClean DNA Library Prep Kit V3 for Illumina

Product Information

Cat#	Kit-054
Description	<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>
Storage	-30 °C to -15 °C
Applications	Whole-genome sequencing; library construction from single-cell amplified products; mNGS testing.
Product Overview	<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>
Package	<p>24 rxns</p> <p>TruePrp Tagmet Enzyme Mix P50: 96 µL</p> <p>5x TruePrp Tagment Buffer L: 96 µL</p> <p>Universal Neutralization Buffer: 96 µL</p> <p>Amplification Mix: 384 µL</p> <p>Control DNA (Mouse Genomic DNA, 50 ng/µL): 10 µL</p>