

UltraClean Rapid DNA Library Prep Kit for Illumina

Product Information

Cat#	Kit-055
Description	<p>This ultra-fast enzymatic DNA library preparation kit is optimized for Illumina sequencing platforms. It combines high library conversion efficiency with low background contamination and supports input DNA ranging from 100 pg to 100 ng from diverse sample sources.</p> <p>Adapter-ligated products do not require purification, further simplifying the workflow and reducing total library preparation time to approximately 1.5 hours per sample. All reagents undergo stringent background nucleic acid control and functional validation, ensuring robust library construction and reliable results for pathogen detection and other sensitive applications.</p>
Storage	-30 °C to -15 °C
Applications	Pathogen metagenomic sequencing; mNGS-based pathogen detection.
Product Overview	<p>Simplified workflow: Reduced manual operations lower the risk of handling errors.</p> <p>Shortened library preparation time: Saves ~30 minutes per sample and over 1 hour for 96 samples.</p> <p>Reduced bead consumption: Saves 60 µL of beads per sample and nearly 6 mL for 96 samples.</p>
Package	<p>24 rxns</p> <p>FEA Enzyme Mix: 192 µL</p> <p>Rapid Ligation Buffer: 480 µL</p> <p>Rapid DNA Ligase: 60 µL</p> <p>PCR Activator: 108 µL</p> <p>HiFi Amplification Mix: 600 µL</p> <p>PCR Primer Mix for Illumina: 120 µL</p> <p>DNA Clean Buffer: 2.4 mL</p>