



**Creative Enzymes**

*Diagnostic Enzymes*

## **Broad-Spectrum End Preparation Module, Illumina-Compatible, Version II**

### **Product Information**

<b>Cat#</b>	DIA-565
<b>Description</b>	<p>This end preparation module is optimized for Illumina library construction and enables efficient end repair and dA-tailing of fragmented DNA. It supports 100 pg–1 µg input DNA and generates products with 5' phosphorylated ends and 3' dA overhangs. Compared with conventional workflows, this module integrates end repair and dA-tailing into a single-step reaction while reducing overall reaction time. This significantly lowers input DNA requirements and shortens hands-on time.</p> <p>The reagents are provided as premixed solutions, facilitating ease of use and compatibility with automated library preparation platforms. All components undergo rigorous quality control and functional validation to ensure stable and reproducible performance.</p>
<b>Storage</b>	-20 °C
<b>Applications</b>	Whole-genome sequencing; targeted capture sequencing; PCR-free whole-genome sequencing; chromatin immunoprecipitation sequencing; targeted sequencing.
<b>Product Overview</b>	<p>Single-tube end repair and dA-tailing reaction.</p> <p>Short reaction time: End repair plus A-tailing completed in just 30 minutes.</p> <p>Pre-mixed reagents: Compatible with automated library preparation systems.</p> <p>Wide template input range: Efficiently repairs 100 pg–1 µg DNA.</p> <p>Broad sample compatibility: Suitable for cfDNA, FFPE DNA, and fragmented DNA.</p>
<b>Package</b>	24 rxns

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