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NGS End Repair Module

Catalog Number: E112-1, E112-2

Table 1. Kit Components and Storage

Kit Component	E112-1 (20 rxn)	E112-2 (100 rxn)	Storage	Stability
End Repair Enzyme Mix	100 µL	500 µL	-20 °C, avoid repeated free-thaw	The product is stable for 12 months when stored as directed.
End Repair Reaction Buffer (10×)	200 µL	1.0 mL		

Product Description

The NGS End Repair Module is used to convert 1–5 µg of fragmented DNA to blunt-ended DNA having 5´ phosphates, and 3´-hydroxyls. The module is optimized for use with the NGS dA-Tailing Module (Cat #E113-1, E113-2), and is part of the NGS DNA library prep workflow for Illumina sequencing.

Applications

- End repair of fragmented DNA.
- DNA sample preparation.

Protocol

1. Assemble the following reaction in a microcentrifuge tube on ice:

Fragmented DNA	1-5 µg
End Repair Reaction Buffer (10×)	10 µL
End Repair Enzyme Mix	5 µL
Nuclease-free water	to 100 µL
Total volume	100 µL

2. Mix gently and spin down for a few seconds.
3. Incubate at 20°C for 30 min.
4. Purify DNA Sample using AMPure XP beads.