

Hieff NGS™ Ultima Endprep Mix

Product Information

Product Name	Cat#	Specification
Hieff NGS™ Ultima Endprep Mix	12605ES24	24 T
	12605ES96	96 T

Product Description

Hieff NGS™ Ultima Endprep mix is a directional optimized end repair and dA tailing module designed for Illumina® & MGI® high throughput sequencing platform. The end of 500 pg - 1 µg DNA fragment can be repaired efficiently with this kit. The 5' end of the repair product contains phosphate group and the 3' end has dA protrusion. Compared with the conventional library construction method, Hieff NGS™ Ultima Endprep Mix adopts one-step reaction process, which combines the End Repair and dA tailing steps, and meanwhile reduces the reaction time of each step, thus significantly reducing the experiment time. Hieff NGS™ Ultima Endprep mix is optimized for use with the Hieff NGS™ Novel DNA ligation module for kit (Cat#12805). All reagent components provided in this product have undergone strict quality and function verification to ensure the excellent performance and inter batch stability of the product to the highest extent.

Product Component

Components	12605ES24	12605ES96
Endprep Mix	240 µL	960 µL

Shipping and Storage

The product is shipped with dry ice and can be stored at -20°C for one year.

Instructions

1. Prepare the following reaction in the sterilized PCR tube:

Table 1 endprep reaction

Components	Volume (µL)
Fragmented DNA	x
Endprep Mix	10
ddH ₂ O	Up to 60 µL

2. Use a pipette to blow the mixture gently (do not shake the mixture) and centrifuge briefly to collect the reaction liquid to the bottom of the tube.

3. Place the PCR tube into the PCR instrument and perform the following reaction:

Table 2 PCR reaction

Temperature	Duration
Hot lid 105°C	On
30°C	20 min
72°C	20 min
4°C	Hold

Cautions

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. This product is for research use ONLY !