

## Hieff Canace™ Pro Amplification Mix for NGS

### Product Information

Product Name	Cat#	Specification
Hieff Canace™ Pro Amplification Mix for NGS	12624ES24	24 T
	12624ES96	96 T

### Product Description

Hieff Canace™ Pro Amplification Mix for NGS is a ready-to-use master mix containing High-Fidelity DNA Polymerase, dNTP, and a buffer system optimized for high-throughput sequencing library amplification. For the library amplification reaction, the system only needs to add primers and templates, simplifying the experimental operation steps, reducing the human error, and improving the repeatability of the experiment and results. This product contains a specific protective agent, so that the master mix can maintain stable activity after repeated freeze-thaw.

### Product application

Components	12624ES24	12624ES96
Hieff Canace™ Pro Amplification Mix for NGS	600 µL	1.2 mL ×2

### Shipping and Storage

All the components are shipped with ice packs and can be stored at -20°C for 18 month.

### Cautions

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

### Library Amplification (Preparation on the ice)

1. After thawing the reagents in Table 1, mix well upside down and place on ice for later.
2. Assemble the following reaction in a sterilized PCR tube.

Table 1 Reaction system for Amplification

Components	Volume µL)
Hieff Canace™ Pro Amplification Mix for NGS	25
Primer 1	2.5
Primer 2	2.5
Adapter Ligated DNA	20

3. Mix well by gently pipetting up and down or shaking at low speed, and centrifuge the reaction solution briefly to the bottom of the tube.
4. Place the PCR tube on the thermal cycler and perform an amplification reaction according to the reaction procedure shown in Table 2.

Table 2 Program Setup for Amplification

Temperature	Duration	Cycle number
98°C	1 min	1
98°C	10 sec	1~15(depend on the experimental requirements)
60°C	30 sec	
72°C	30 sec	
72°C	5 min	1
4°C	Hold	-