


Hieff NGS™ DNA Library Prep Primer Mix for MGI

12191

INSTRUCTIONS FOR USE

Ver. HB221216

A decorative graphic at the bottom of the page consisting of several overlapping, wavy shapes in various shades of orange, creating a modern, abstract design.

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Product description

Hieff NGS™ DNA Library Prep Primer Mix for MGI is a special kit designed for DNA library preparation for MGI platforms, using with Hieff NGS™ Ultima Pro DNA Library Prep Kit (Cat#12197) or Hieff NGS™ OnePot Pro DNA Library Prep Kit (Cat#12195) and Complete Adapter for MGI (Cat#13360-13362 or other equivalent products. All the reagents provided in the kit are subjected strict quality control and functional verification to ensure the stability and repeatability of the library preparation.

Components

Components No.	Name	12191ES08 (8T)	12191ES24 (24T)	12191ES96 (96T)
12191	Hieff NGS™ DNA Library Prep Primer Mix for MGI	40 µL	120 µL	480 µL

Specifications

Library	DNA Library
DNA input	100 pg - 1 µg
Time for library preparation	~3h
Sequencing platforms	MGI Platforms
Applications	Whole genome shotgun sequencing, targeted sequencing by solution hybrid selection

Storage

-25°C ~ -15°C storage, valid for one year.

Instructions

Components	Volume (µL)
Canace™ Pro Amplification Mix	25
Hieff NGS™ DNA Library Prep Primer Mix for MGI	5
Adapter Ligated DNA	20

According to the library preparation manual prepare the reaction system (as shown in the table) and set the procedure.

Notes

1. Operation

1.1 For your safety and health, please wear lab coats and disposable gloves for operation.

1.2 Thaw components at room temperature. After thawing, mix thoroughly by vortexing, spin the tube briefly and place them on ice for later use.

1.3 It is recommended to pipette or gently shake during the reaction solution preparation of each step. Vigorous shaking may cause a decrease in library output.



- 1.4 It is highly recommended to use filtered pipet tips to avoid cross-contamination. Be sure to change pipet tips when processing different samples.
- 1.5 It is recommended to perform each reaction step in a thermocycler with a heated lid. The thermocycler should be preheated to the set temperature before use.
- 1.6 Improper operations may very likely cause carry-over contaminations through aerosols, impacting the experiments accuracy. It is highly recommended to divide the experiment environment into the pre-PCR and post-PCR regions, with separate sets of devices and disposables in each area. Perform routine cleaning for each area by wiping the surfaces with 0.5% sodium hypochlorite or 10% bleach.
- 1.7 This product is used for scientific research purposes only!



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