PCR Magnetic Cleanup Kit

DESCRIPTION

The PCR Magnetic Cleanup Kit is based on paramagnetic bead technology designed for highly efficient purification of DNA fragments from PCR reactions. DNA is bound to the surface of the Magnetic Beads, followed by two washes with high-salt concentration and proprietary Washing Buffer to remove proteins, dNTPs, primers, salts and other contaminants. This method is ideal for automation of high throughout-put processing, and the purified DNA can be used in a variety of downstream applications.

APPLICATIONS

- Isolate and purify DNA from PCR product.
- DNA can be directly use for PCR, cloning, sequencing, cell transfection, enzymatic analysis without further manipulation

KEY FEATURES

- High efficiency: high yield rate
- Simple and fast: Just binding-washing-elute
- No organic solvent
- Automatic high throughput.

KIT CONTENTS (200 Assays)

Component	Size	Storage Temp.
Magnetic Binding Buffer	30 ml	4 °C
Washing Buffer*	50 ml	4 °C
Elute Buffer	10 ml	4 °C
*Note: add 150mL absolute ethanol before the first-time use.		

STORAGE CONDITION

The PCR Cleanup Kit is shipped at room temperature. The Magnetic beads and all the buffers are suggested to store at 4 °C. Shelf life is 12 months after receipt.

PROTOCOL

1. Transfer 50 µl of PCR product to a 1.5 ml microcentrifuge tube.
2. Add 3 volumes of Binding Buffer to 1 volume of PCR sample. Then gently shake the tube for 5 minutes to mix.
3. Centrifuge the tube at10,000rpm for 1 min (or settle the Magnetic beads on a magnetic stand rack), discard the clear supernatant.
4. Wash twice with 500 µl Washing Buffer (*Note: Add 150 mL of absolute ethanol to make 150 mL washing working solution before first-time use*).
5. Centrifuge the tube at 10,000 rpm for 1 min. (or settle the Magnetic Beads on a magnetic stand rack), and discard the supernatant.
6. Dry the beads in the tube at RT for 10- 15 min (*Note: Dry time is optional to ensure all trace of ethanol is removed but take caution in not over drying the beads as it will decrease the elution efficiency.*)
7. Add 50 µl Elute Buffer, resuspend the beads with pipette, and incubate at RT for at least 1 min.
8. Centrifuge the sample at10,000 rpm for 5 min, or settle the Magnetic Beads on a magnet stand rack.
9. Transfer the eluent to a new tube with sample label and store at -20°C for further application.

For research use only.