Tribioscience

DNA Pure Magnetic Beads

Catalog Number	Kit Size	Storage	Stability
TBS9001-5ML	5 mL	2-8 °C	Shelf-life is 1year after receipt
TBS9001-30ML	30 mL		
TBS9001-60ML	60 mL		

DESCRIPTION

DNA Pure Magnetic Beads are based on paramagnetic beads technology designed for highly efficient purification of DNA fragments from PCR, library, and next Generation Sequencing (NGS) DNAs. DNA is bound to the surface of the Magnetic Beads, followed by two simple washes with Washing Buffer to remove proteins, dNTPs, primers, salts, and other contaminants (Fig. 1). This method is ideal for automation of high throughout-put processing, and the purified DNA can be used in a variety of downstream application. The purified DNA size is preferred to ≥100 bp.

APPLICATIONS

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

KEY FEATURES

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

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. Add 2 volumes of DNA Pure Magnetic Beads to 1 volume of PCR sample. Then gently shake the tube for 5 minutes to mix.
2. Centrifuge the tube at10,000rpm for 1 min (or settle the Magnetic beads on a magnetic stand rock), discard the clear supernatant.
3. Wash twice with 500 µl 75% Ethanol.
4. Centrifuge the tube at 10,000 rpm for 1 min (or settle the Magnetic Beads on a magnetic stand rock), and discard the supernatant.
5. 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.*).
6. Add 50 µl Elute Buffer, resuspend the beads with pipette, and incubate at RT for 5 min.
7. Centrifuge the sample at10,000 rpm for 5 min, or settle the Magnetic Beads on a magnet stand rock.
8. Transfer the eluent to a new tube with sample label and store at -20°C for further application.

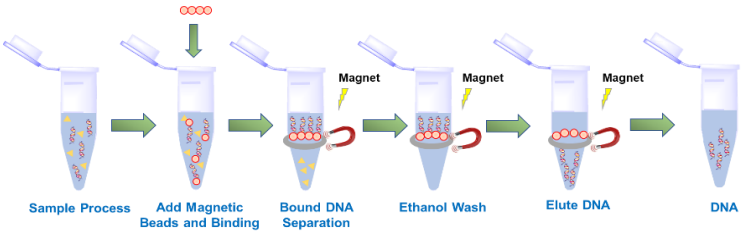

Fig.1. DNA Purification Procedures

RELATED PRODUCTS

Microbial DNA Magnetic Extraction (TBS6025)
Plant DNA Magnetic Extraction (TBS6026)
Cell DNA Magnetic Extraction (TBS6027)
Direct FFPE Tissue DNA Extraction (TBS6028)
PCR Magnetic Cleanup (TBS6029)
Gel DNA Magnetic Cleanup (TBS6030)
Host Cell Residual DNA Sample Preparation (TBS6032)
2x Sybr Green qPCR Mixture (TBS4001)
2x Fast Taqman Probe qPCR Master Mix (TBS4002)

For research use only.