AllPure PCR Clean-UP & Purification Kit

Cat. No. ABTGNA006P

Storage: at room temperature (15-25°C) for one year

Description

AllPure PCR Clean-UP & Purification Kit provides a simple and fast method to purify PCR product and enzyme-digested DNA. DNA is specifically bound to silica-based column. This kit can effectively remove impurities, including proteins, organic compounds, inorganic salt ion and primers. The purified DNA is suitable for restriction enzyme digestion, ligation, transformation and sequencing.

Highlights

- Effective removal of primers, dNTPs, enzymes and inorganic salt ion.
- 95%-100% recoveries for PCR fragments of 100 bp to 10 kb.
- 5 minutes procedure.
- Purified DNA ideal for using in all molecular biology experiments, including restriction enzyme digestion, ligation and sequencing.

Kit Contents

Component	50 rxns	200 rxns
Binding Buffer (BB)	30 ml	120 ml
Wash Buffer (WB)	10 ml	2×20 ml
Elution Buffer (EB)	5 ml	10 ml
PCR Spin Columns with Collection Tubes	50 each	200 each

Procedures

Before starting, add 40 ml of 96-100% ethanol to the 10 ml concentrated Wash Buffer to make the final Wash Buffer; or add 2×80 ml of 96-100% ethanol to the 2×20 ml concentrated Wash Buffer to make the final Wash Buffer.

All centrifugation steps are carried out at room temperature.

1. In a 1.5 ml microcentrifuge tube, add 5 volumes of BB to 1 volume of PCR products (50-100 µl). Mix briefly by vortexing sample.
2. Transfer all the mixture to a provided Spin Column with a Collection Tube (to increase the yield of purified DNA, incubate for 1 minute).
3. Centrifuge at 10,000 × g for 1 minute. Discard the flow-through.
4. Add 650 µl of WB to the column. Centrifuge at 10,000 × g for 1 minute. Discard the flow-through.
5. Centrifuge the empty column at 10,000× g for 1-2 minutes to remove any residual WB.
6. Place the spin column in a clean microcentrifuge tube, add 30-50 µl of EB or sterile, distilled water (pH >7.0) directly to the center of the column matrix (to increase the yield, prewarmed EB or water can be used). Incubate the column at room temperature for 1 minute. Centrifuge at 10,000× g for 1minute to elute the DNA. The isolated DNA is ready to use or can be stored at -20°C.