

## EasyPure® PCR Purification Kit

Please read the manual carefully before use

Cat. No. EP101

Version No. Version 1.0

Storage: at 15°C-30°C in a dry place for two years

### Description

EasyPure® PCR Purification Kit uses a silica gel membrane spin column to specifically adsorb DNA, which can be used for PCR products, purification of enzyme digestion products, and can effectively remove impurities such as proteins, organic compounds, inorganic salt ions, and primers. The purified DNA is suitable for a variety of downstream applications such as enzyme digestion, ligation, transformation, and sequencing.

### Highlights

- Purification of fragments ranging from 100 bp to 10 kb.
- Fast purification in only 5 minutes.
- Effectively removes primers, dNTPs, enzymes, and inorganic salt ions.
- High purification efficiency.

### Kit Contents

Component	EP101-01	EP101-02
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	2×100 each

### Procedures

Before starting, add 40 ml of 100% ethanol to the 10 ml of the Wash Buffer; or add 2×80 ml of 100% ethanol to the 2×20 ml of the 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, deionized water (pH >7.0) directly to the center of the column matrix (Preheating the EB or deionized water at 60-70 °C improves elution efficiency.). Incubate the column at room temperature for 1 minute. Centrifuge at 10,000× g for 1 minute to elute the DNA. The isolated DNA can be stored at -20°C.

**For research use only, not for clinical diagnosis**

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