

EasyPure[®] PCR Purification Kit

Cat. No. EP101

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

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.

Highlights

- Purification of fragments ranging from 100 bp to 10 kb.
- Fast purification in only 5 minutes.

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	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 1 minute to elute the DNA. The isolated DNA is ready to use or can be stored at -20°C.

FOR RESEARCH USE ONLY

