# PrimePrep™ PCR Purification Kit

## Introduction

*PrimePrep*™ PCR Purification Kit offer simple, rapid and cost-effective method for purification from PCR/enzyme reaction mixtures.
The purified DNA can be directly used in ligation, sequencing and other downstream application.

## Kit Components

| Cat. No. / Reagents | K-7000 (50 prep.) | K-7001 (200 prep.) |
|---|---|---|
| Spin column | 50 ea | 50 ea x 4 |
| Buffer PCR-B | 30 ml | 120 ml (40 ml x 3) |
| Buffer PW | 10 ml | 30 ml (15 ml x 2) |
| Buffer PE | 10 ml | 20 ml |

## Before you begin

- **Add ethanol to Buffer PW before use.**

→ Add 40 ml (K-7001: 60 ml) of absolute ethanol before use.

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## Experimental Protocol

1. **Add 5 volumes of Buffer PCR-B to 1 volume of the sample and mix well by vortexing.**
   If the PCR reaction product is 50 ul, add 250 ul of Buffer PCR-B.

2. **Centrifuge the tube briefly at room temperature.**

3. **Transfer the mixture to a Spin column.**

4. **Centrifuge for 30 sec ~ 1 min at 13,000 rpm. Discard the flow-through and re-inserting the spin column to the collection tube.**

5. **Add 700 ul Buffer PW and centrifuge for 30 sec. at 13,000 rpm. Discard the flow-through and re-inserting the spin column to the collection tube.**

6. **Centrifuge for an additional 1 ~ 2 min at 13,000 rpm to remove residual wash buffer.**
   Residual ethanol of washing buffer may inhibitor subsequent enzymatic reaction.

7. **Transfer the spin column to new 1.5 ml microcentrifuge tube.**
   The 1.5 ml microcentrifuge tube is not provided.

8. **Add 50 ul of Buffer PE or deionized distilled water to the center of the membrane in the column, let stand for 1 min and centrifuge for 1 min at 13,000 rpm.**
   For larger fragment(>5kb), use pre-warmed (70℃) Buffer PE for best efficiency.