EZassay

DNA purification magnetic beads

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Catalog Code: MB-PF-005
MB-PF-060

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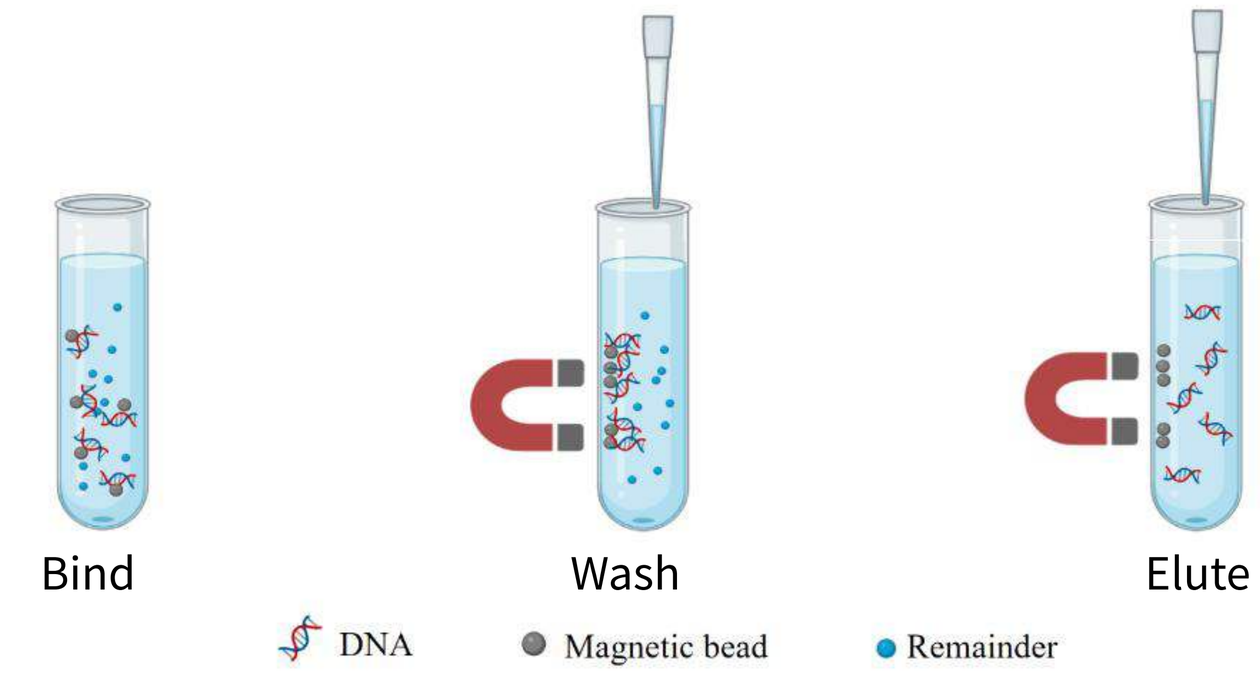
Brief introduction

The uniquely embedded magnetic beads have a strong affinity for nucleic acids under certain conditions, and when the conditions change, the magnetic beads release adsorbed nucleic acids, which can achieve the purpose of rapid isolation and purification of nucleic acids.



Application

DNA purification such as the purification of PCR amplification products.

(This kit also applies to RNA purification such as the purification of T7 RNA polymerase transcript products.)

Materials supplied

Component	Cat. NO.: MB-PF-005 Package size=100 tests	Cat. NO.: MB-PF-060 Package size=1200 tests	Store
Magnetic bead suspension	2ml	24ml	2~8°C
Elution buffer	5ml	60ml	Room temperature

Procedure

Prepare 80% ethanol solution before the experiment.

1. Take out the magnetic bead suspension from 2-8°C and equilibrate to room temperature. Mix and resuspend on a vortex to a visibly homogeneous suspension and ensure that no settling occurs prior use.

2. Take 200µl of the sample, add it to a 1.5 ml centrifuge tube, add 20µl of magnetic bead suspension and 400µl of isopropanol. Mix well by vortex. Briefly spin down the tube to collect droplets. Incubate at room temperature for 10 minutes.

3. Place the above centrifuge tube on the magnetic stand for 3 minutes, or until the beads have formed a tight pellet. Without removing the tube from the magnetic rack, remove and discard the supernatant carefully by using a pipette. Make sure that all supernatant is removed.

4. Add 200µl of 80% ethanol solution. Mix by vortex for 30 seconds. Briefly spin down the tube to collect droplets. Place the tube in the magnetic rack for 2-3 minutes, or until the beads have formed a tight pellet. Without removing the microcentrifuge tube from the magnetic rack. Remove and discard the supernatant carefully by using a pipette. Make sure that all wash solution is removed.

5. Repeat step 4.

6. Without removing the microcentrifuge tube from the magnetic rack, open the lid for 10 minutes at room temperature. Allow residual ethanol to volatilize.
(Note: avoid complete drying of the beads.)

7. Add 50-100µl of elution buffer, resuspend the beads by using pipette. Incubate for 2 minutes at room temperature.

8. Place the tube in the magnetic rack for 5 minutes or until the beads have formed a tight pellet. Then transfer the supernatant to a new centrifuge tube.

9. The solution can be stored at -20°C or -80°C for long-term storage.