Wizard® SV Gel and PCR Clean-Up System from Promega

- Gel slice and PCR product preparation
  - ◊ Dissolving the gel slice
    1. Following electrophoresis, excise DNA band from gel and place gel slice in a 1.5 mL microcentrifuge tube.
    2. Add 10 µL **Membrane Binding Solution** per 10 mg of gel slice. Vortex and incubate at 50 – 65 °C until gel slice is completely dissolved.
  - ◊ Processing PCR amplifications
    1. Add an equal volume of **Membrane Binding Solution** to the PCR amplification.
- Binding of DNA
  - ◊ Insert **SV Minicolumn** into Collection Tube.
  - ◊ Transfer dissolved gel mixture or prepared PCR product to the Minicolumn assembly. Incubate at room temperature for 1 minute.
  - ◊ Centrifuge at 16,000 x g for 1 minute. Discard flowthrough and reinsert Minicolumn into Collection Tube.
- Washing
  - ◊ Add 700 µL **Membrane Wash Solution** (ethanol added). Centrifuge at 16,000 x g for 1 minute. Discard flowthrough and reinsert Minicolumn into Collection Tube.
  - ◊ Add 500 µL **Membrane Wash Solution** (ethanol added). Centrifuge at 16,000 x g for 5 minute.
  - ◊ Empty the Collection Tube and recentrifuge the column assembly for 1 minute with the microcentrifuge lid open to allow evaporation of any residual ethanol.

- Elution
    - ◊ Carefully transfer Minicolumn to a clean 1.5 mL microcentrifuge tube.
    - ◊ Add 50 µL of **ddH_2O** to the Minicolumn. Incubate at room temperature for 1 minute. Centrifuge at 16,000 x g for 1 minute.
    - ◊ Discard Minicolumn and store at 4 °C or -20 °C.

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