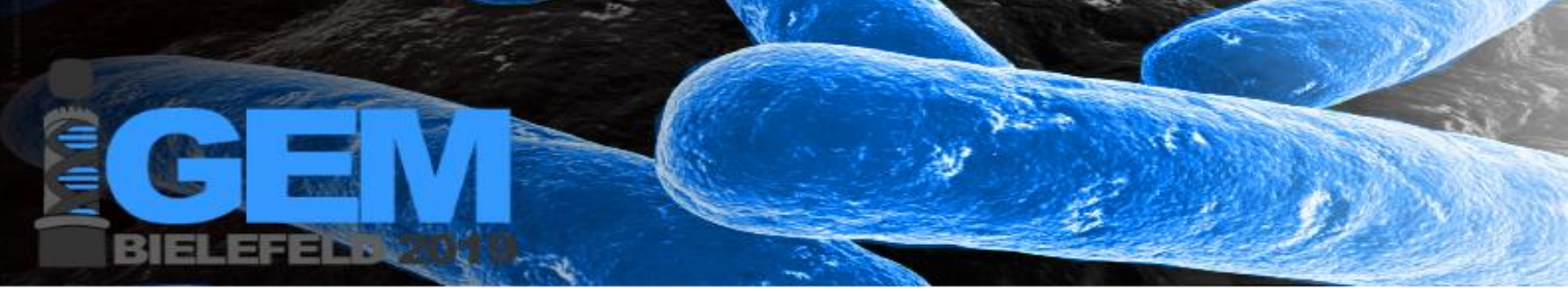

PROMEGA Wizard® SV Gel and PCR Clean-up System

1. **Gel slice and PCR product preparation**
   a) Dissolving the gel slice:
      - Following electrophoresis, excise DNA band from gel and place gel slice in a 1.5 mL microcentrifuge tube.
      - Add 10 µL Membrane Binding Solution per 10 mg gel slice. Vortex and incubate at 50-65°C until the gel slice is completely dissolved.

   b) Processing PCR amplifications:
      - Add an equal volume of Membrane Binding Solution to the PCR amplification.

2. **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

3. **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.
   - Repeat the last step with 500 µL Membrane Wash Solution. Centrifuge at 16,000 x g for 5 minutes.
   - Empty the Collection Tube and recentrifuge the column assembly with the microcentrifuge lid open (or off) to allow evaporation of any residual ethanol.

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

From: iGEM Bielefeld-CeBiTec

iGEM
BIELEFELD 2019