# Brand: FAVORGEN BIOTECH CORP.

# Kit: FavorPrep GEL/PCR Purification Kit

PCR Clean-Up Protocol:

1. Mix 100 µL of PCR product mixture with 5 volumes of FADF Buffer in a microcentrifuge tube and vortex vigorously.

2. Place a FADF column (provided in commercial kit) into a Collection Tube.

3. Transfer the PCR mixture to the FADF Column, centrifuge for 30 seconds and discard the flow-through eluate.

4. Add 750 µL of Wash Buffer (ethanol added) to the FADF Column and centrifuge for 30 seconds. Discard the flow-through eluate.

5. Recentrifuge for 3 minutes to dry the column.

6. Place FADF Column to a new microcentrifuge tube.

7. Add 40 µL of Elution Buffer or ddH2O to the membrane center of the FADF Column and stand FADF Column at room temperature for 2 minutes.

8. Centrifuge for 2 minutes to elute the DNA.

9. Store purified DNA at $4^{o}C$ or $-20^{o}C$.

# Wizard® SV PCR Clean-Up System protocol

1. Add an equal volume of Membrane Binding Solution to PCR mixture.

2. Insert SV minicolumn (provided in commercial kit) into Collection Tube.

3. Transfer dissolved gel mixture or prepared PCR product to a minicolumn assembly.

4. Incubate at room temperature for 1 minute.

5. Centrifuge at 16,000 × g for 1 minute. Discard flow-through and reinsert minicolumn into Collection Tube.

6. Add 700 µL of Membrane Wash Solution (ethanol added). Centrifuge at 16,000 × g for 1 minute. Discard flow through and reinsert minicolumn into a Collection Tube.

7. Repeat Step 6 with 500 µL of Membrane Wash Solution. Centrifuge at 16,000 × g for 5 minutes.

8. Empty the Collection Tube and re-centrifuge the column assembly for 1 minute with the microcentrifuge lid open (or off) to allow evaporation of any residual ethanol.

9. Carefully transfer minicolumn to a clean 1.5 mL microcentrifuge tube.

10. Add 50 µL of nuclease-free water to the minicolumn.

11. Incubate at room temperature for 1 minute. Centrifuge at 16,000 × g for 1 minute.

12. Store purified DNA at 4 $^{o}$C or –20 $^{o}$C.