## Brand: FAVORGEN BIOTECH CORP.

## Kit: FavorPrep GEL/PCR Purification Kit

**Gel Extraction Protocol:**

1. Excise the the agarose gel with a clean scalpel.

2. Transfer up to 300 mg of the gel slice into a microcentrifuge tube.

3. Add 500 µl of FADF Buffer to the sample and mix by vortexing. (For > 2% agarose gels, add 1000 µl of FADF Buffer.)

4. Incubate at 55 °C for 10-15 minutes and vortex the tube every 2-3 min until the gel slice dissolved completely. During incubation, interval vortex can accelerate the gel dissolved. Make sure that the gel slice has been dissolved completely before proceed the next step.

5. Cool down the sample mixture to room temperature. And place a FADF Column in a Collection Tube.

6. Transfer 800 µl of the sample mixture to FADF Column. Centrifuge for 30 seconds then discard the flow-through.

7. Add 750 µl of Wash Buffer (ethanol added) to the FADF Column. Centrifuge for 30 seconds then discard the flow-through.

8. Centrifuge again for an additional 3 minutes to dry the column.

9. Place the FADF Column to a new microcentrifuge tube.

10. Add 40 µl of Elution Buffer or ddH2O to the membrane center of the FADF Column. Stand the FADF Column for 2 min. (For effective elution, make sure that the elution solution is dispensed onto the membrane center and is absorbed completely.

11. Centrifuge for 2 min to elute the DNA.

12. Store the DNA at 4 °C or -20 °C.