Brand: FAVORGEN BIOTECH CORP.

Kit: FavorPrep GEL/PCR Purification Kit

Gel Extraction Protocol:

1. Excise DNA band from agarose gel with a clean scalpel.
2. Transfer the gel slice (~300 mg) into a microcentrifuge tube.
3. Add 500 µL of FADF buffer (provided by kit) to the sample and vortex. (For > 2% agarose gels, add 1000 µL of FADF Buffer)
4. Incubate at 55^{o}C for 10-15 minutes and vortex sample every 2-3 minutes until gel slice has dissolved completely. Make sure the gel slice has dissolved completely before proceeding to the next step.
5. Sample mixture is cooled to room temperature and then place a FADF Column in a Collection Tube.
6. Transfer 800 µL of the sample mixture to FADF Column. Centrifuge for 30 seconds and discard the flow-through eluent.
7. Add 750 µL of Wash Buffer (ethanol added) to the FADF Columnand centrifuge for 30 seconds and discard the flow-through.
8. Centrifuge again for 3 minutes to dry the column.
9. Place FADF Column to a new microcentrifuge tube.
10. Add 40 µL of Elution Buffer or ddH_2O onto the membrane center of the FADF Column.
11. After 2 minutes, centrifuge the column for 2 min to elute the DNA.
12. Stored purified DNA sample at 4^{o}C or -20^{o}C.