GEL PURIFICATION OF DNA FROM AGAROSE GELS BY CENTRIFUGATION

1. Gel purify DNA fragment on 1% agarose and excise band under UV transilluminator. Always wear eye protection when using the transilluminator as UV light is harmful to your eyes.
2. Dry the gel slice on 3M paper for a few min. To remove excess buffer.
3. Place the gel slice into a microfuge tube (500ul size) which has had the bottom cut off and a small piece of Nitex (silk screening fabric) melted to it.
4. Place this tube into a larger microfuge tube (1 mL size) and spin at 2874 g (5000rpm in Hermle tabletop) for 45 sec.
5. The DNA is recovered in the eluate to be used directly in ligation reactions.

Recoveries:

greater than 5000bp ~ 50%

less than 2000bp ~ 80%

Reference: GATA 9:31-33, 1992. (He et. al.)