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User's Manual and Instructions

Gel Cutter Cat# KS071012-11; Gel Breaker Tubes, KS071012-12; and Gel Filter, Cat# KS071012-13

Features

- Designed to fit on 1 ml micropipettor for easy excision of one or more gel bands
- DNase and RNase free for sterile transfer of genetic material
- Small and disposable; eliminates need for razor blades and sharps disposal
- Easy to use

Application

- Gel purify library samples for next generation sequencing

Protocol

1 Insert Gel Cutter into tip of micropipette (Fig. 1)
2 Press gel cutter firmly into desired band on gel and rock it back and forth, ensuring that the band has been completely excised
3 Carefully remove gel cutter from band, making sure the excised band remains within the gel cutter
4 Expel the gel material into the gel breaker tube (Fig. 2)
5 Insert the gel breaker tube into a 1.5 ml microcentrifuge tube
6 Place entire assembly into minifuge and pulse spin for 10 seconds to extract and fragment gel into 1.5 ml microcentrifuge tube
7 Remove gel breaker tube, add 200 µ l of DNA Storage Solution to the gel debris in the 2 ml tube.
8 Elute the DNA by shaking the tube around 1300 rpm at room temperature for at least 2 hours or overnight if desired.
9 Transfer the elute and the gel debris to the top of a 5 µ m filter (Fig. 3)

Fig. 1

Fig.2

Fig.3