

## TailorCut Gel Extraction Tool Set

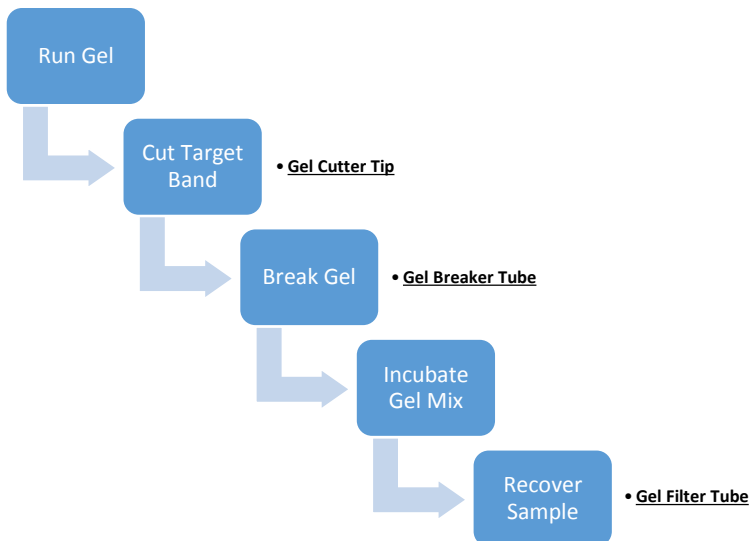
Catalog Number: TC-025

### Introduction

The Gel Extraction Tool Set enables precise and efficient sample extractions from agarose and acrylamide gels through a three-part system:

1. Gel Cutter allows a precise excision of targeted gel material without sharps and blades
2. Gel Breaker fragments gel slices with its patent pending design for easy sample extraction
3. Gel Filter removes gel debris from the gel/buffer suspension

Figure 1 TailorCut Gel Extraction Tool Set Workflow



## Contents

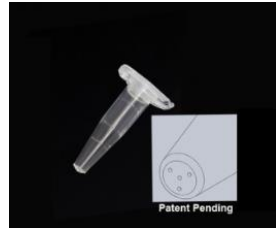
### Gel Cutter Tip

- Cutting size: 2 x 6mm
- Compatible with 1mL micropipette
- DNase and RNase free



### Gel Breaker Tube

- Patent pending design fragments agarose and acrylamide gel slices
- Fragmented gels could be transferred using 1 mL pipet tips
- DNase and RNase free



### Gel Filter Tube

- 5  $\mu$ m filter cartridge with 2mL microcentrifuge collection tube
- Maximum G-Force: 10,000xG
- DNase and RNase free



## Consumables Preparation

Please make sure all consumables and equipment are available before starting this experiment.

Consumables and Equipment	Supplier
1000 $\mu$ L Micropipette	General lab supplier
Micropipette Tips	General lab supplier
Gel Elution Buffer	General lab supplier
1.5mL Microcentrifuge tube	General lab supplier
Benchtop Microcentrifuge	General lab supplier
Benchtop Minifuge	General lab supplier

## Procedures:

1. Place Gel Breaker Tube into a 1.5mL or 2.0mL microcentrifuge tube.
2. Insert Gel Cutter Tip onto tip of micropipette.
3. Press Gel Cutter Tip firmly into targeted band to excise gel slice.
4. Insert the Gel Cutter Tip with the excised gel slice into the Gel Breaker Tube.
5. Place entire extraction assembly into minifuge.
6. Brief spin to collect gel slice into the Gel Breaker Tube.
7. Remove Gel Cutter Tip from the assembly. Make sure no gel remains in the Gel Cutter Tip.
8. Add gel elution buffer into the Gel Breaker Tube.
9. Close the cap of the Gel Breaker Tube and place the assembly into a Microcentrifuge. Spin at 13,000xG for 1 minute to fragment gel.
10. Incubate gel/buffer mix according to experiment-specific conditions.
11. Transfer gel/buffer mix into the Gel Filter Tube with 1mL pipet tips to remove gel debris. The supernatant contains your sample and is now ready for downstream processes.

## Ordering Information

Catalog #	Product
TC-025	TailorCut Gel Extraction Set (25 Sets)

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SeqMatic LLC  
29528 Union City Blvd.  
Union City, CA 94587

[www.seqmatic.com](http://www.seqmatic.com)  
Tel: 1.510.870.0965  
Email: [info@seqmatic.com](mailto:info@seqmatic.com)