LAMDA
BIOTECH

Column-Pure™ DNA Gel Recovery Kit

Cat. No. D507

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Catalog No.: D507

Product Name: **Column-Pure™ DNA Gel Recovery Kit**

Size: **100 preps**

Description: This kit can be used to recover/isolate DNA fragments from agarose gel after electrophoresis in TBE or TAE running buffers. The DNA fragments that can be recovered from agarose gel will be between 40bp to 40kb in size.

Kit Contents:

Binding Buffer II	2x50ml
Wash Solution	2x20ml
EZ-10 Spin Columns	100
Elution Buffer	10ml

Caution: *The **Binding Buffer II** contains chaotropic salt. Please use proper safety precautions and wear gloves when handling this reagent. Avoid contact with skin, eyes or clothing. In case of accidental spill or contact, wash thoroughly with water; seek medical attention, if necessary.*

Storage: Store all Buffers at room temperature.

This kit is designed for research use only.

Do not inhale or swallow.

Keep away from food, drink, and animal feed.

Keep out of children's reach.

In case of accidental exposure, seek immediate medical attention.

All MSDS are available on request.

PROTOCOL:

Note: Before use, add 80ml of ethanol to each of the **Wash Solution** bottles to make the final 1X Wash Buffer.

1. Excise the DNA fragment from the agarose gel; weigh the gel slice and transfer it to a microcentrifuge tube.

2. Add 4 volumes of **Binding Buffer II** to 1 volume of gel. For example: add 400µl of Binding Buffer II to 100mg of gel. If the agarose concentration is higher than 1.5%, add 7 volumes of Binding Buffer II.

3. Incubate between 55°C-60°C for 10 minutes or until the gel slice has been completely dissolved. By cutting the gel slice into small pieces in Step 1, it will speed up the dissolving process; in addition, mixing the tube every 3-5 minutes will also speed up this process. **Note:** after the gel is dissolved, check the color of the binding mixture. If the color is yellow, optimal pH is obtained. If the color is blue or purple, add a small volume of 3M sodium acetate to adjust the pH until the color is back to yellow.

4. Load up to 700µl of the sample mixture to the **Spin Column**, centrifuge for 1 minute at full speed in a microcentrifuge, and discard the flow-through. **Note:** If the volume of sample mixture is larger than 700µl, repeat this step until all the sample mixture has been loaded.

5. Wash the column by adding 700µl of **Wash Buffer**, centrifuge for 1 minute and discard the flow-through. **Optional Wash**: Repeat this wash step if sample mixture is larger than 700µl.

6. Centrifuge the Spin Column for ***1 more additional minute*** to remove any residual Wash Buffer.

7. Transfer the Spin Column to a new 1.5ml microcentrifuge tube.

8. Add 30-50µl of **Elution Buffer** to the center of the column and centrifuge for 1 minute to elute the DNA from the column.

Related Products

Column-Pure™ Plasmid Mini-Prep Kit, Cat No. D504

Column-Pure™ PCR Clean-Up Kit, Cat. No. D509

100bp DNA Ladder, Cat. No. M107

1Kb DNA Ladder II, Cat. No. M108

Standard-Agarose, Cat. No. A113

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