

LyseNow®
Plasmid DNA
Extraction Strip
Card



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E500-8

Store at room temp

Safety information

Slightly hazardous (irritant, sensitizer) in case of skin and/or eye contact, always wear gloves and safety glasses.

1

Description:

LyseNow® Plasmid DNA Extraction Strip Card features filter paper discs that are impregnated with proprietary lysis buffer. The discs are assembled between two transparent films and spaced out to align with one row of 96 well plate. The discs lyse cells and release DNA; discs are easily translocated to plate wells with sterile pipette tips; DNA are then easily recovered with a brief elution. The 12 cards in the kit all together can extract up to 96 plasmid DNA for direct PCR screening or sequencing in about 30 minutes with minimal hands-on effort, no organic solvent, no boiling, no centrifugation.

2

Kit contents

| item | description | quantity |
|--|----------------------|----------|
| LyseNow® Recombinant DNA Extraction Strip Card | 12 X 8 sample strips | 1 |
| 96 well strip plate | For DNA elution | 1 |
| DNA elution solution | For DNA elution | 10mL |

3

Protocol

- Bacteria culture preparation**
 - Colonies on culture plate**
 - Pick colonies from culture plate and transfer to 96-well-plate wells that filled with 50 μ L appropriate culture media in each well, thoroughly resuspend the colony;
 - Bacteria culture in liquid media**
 - apply directly.
- Sample application on card**
 - Apply up to 10 μ L of bacteria culture preparation to each filter paper disc that embedded on the card;
 - Dry card at 37 °C for 20 min;

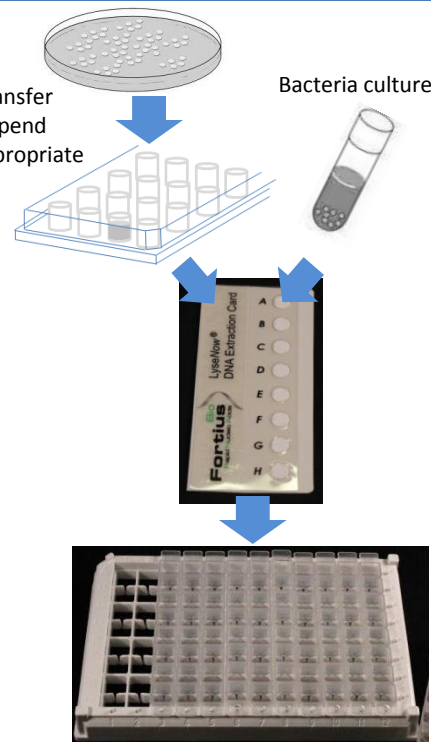
4

3. DNA Elution

- Fold back the absorption pad along the perforated line;
- Align the filter paper discs over one row of a 96 well plate;
- Push out the discs into underneath plate wells using sterile pipette tips;
- Add 100 μ L of provided DNA elution solution to each well;
- Shake on a plate shaker at the maximal non-splashing speed (pre-test with 100 μ L of color fluid to make sure no splash into neighboring blank wells) for 10 minutes, or pipette up and down for 50 times to elute DNA;
- Use elute for immediate PCR or sequencing.

5

Pick the colonies and transfer into 96 well plate, resuspend each colony in 50 μ L appropriate culture media



Brief workflow

- Apply 10 μ L of bacteria culture onto a disc;
- Dry card at 37°C for 20 minutes;
- Fold back the absorption pad along the perforated line;
- Align the filter paper discs over one row of a 96 well plate;
- Push discs into plate wells using sterile pipette tips;
- Add 100 μ L elution solution to each well;
- Shake on a plate shaker at the maximal non-splashing speed for 10 minutes, or pipette up and down for 50 times to elute DNA;
- Use elute for immediate PCR or sequencing.

6