



L100R

Store at room temp

Description:

LyseNow® perforated Cards are thick filter paper card that were treated with proprietary chemical formula. The card preserves DNA/RNA integrity at ambient temperature. Each card has seven perforated 3 mm discs for easy detach with pipette tips. Each card is labeled with individual bar code for easy logging and tracking.

Kit contents

item	description	quantity
LyseNow® Perforated Card	Individually packaged in zip bag	25

Protocol

- Sample application on card**
 - Directly drop up to 100uL of fluid on the center of perforated area;
 - Or, collect sample on swab, press and roll swab onto the perforated discs;
- Dry the card** on a portable Card Drying station (Cat. # U100) for about 30 minutes or at ambient temperature for about two hours.
- Card storage**
 - Return the card to its original zip bag.
 - DNA are stable at ambient temperature for at least a year;
 - RNA are stable at ambient temperature for at least a week;
 - If accessible, store cards at 4 °C or -20 °C for longer storage.
- Disc translocation**
 - Push out seven discs into an eppendorf tube using a sterile pipette tip;

5. RNA recovery

- 1) Submerge two discs in 350uL Trizol, or phenol:chloroform, or kit defined volume of lysis buffer from RNA purification kits of your choice, with carrier RNA if available;
- Vortex the tube at top speed for 5 minutes; or,
- (Ideally) Shake the tube in a thermomixer for 3 min at 60C;
- Transfer the supernatant to a new eppendorf tube;
- Follow the protocol of selected RNA purification method to further purify RNA.

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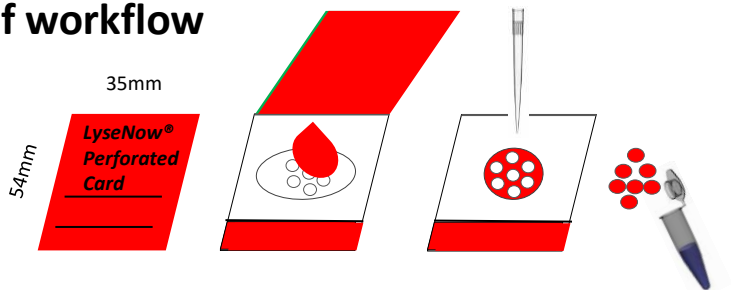
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6. DNA recovery

- Submerge seven discs in 500uL water, vortex at top speed for 3x5 sec, discard supernatant;
- Add 100uL of nuclease free water;
- Heat the tube in a 95 °C heating block for 30 min;
- Vortex the tube at top speed for 5 sec;
- Spin the tube at top speed for 1 min;
- Transfer the supernatant containing recovered DNA to a new eppendorf tube.

Brief workflow



- Apply 100 µL of sample on the center of perforated area;
- Dry the card on portable Card Drying Station (Cat. # U100) for 30 minutes; or at ambient temperature for two hours

- Use the sterile pipette tip to translocate the perforated discs into a tube

further purify DNA/RNA

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