

LyseNow®
Perforated Card



L100R

Bio Fortius
Rapid Nucleic Acids

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Keep refrigerated
One week ambient temperature
maximum for sample collection

Perforated card design is the subject of a
pending patent application

Safety information

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

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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

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Protocol

- 1. 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;
- 2. Dry the card** on a portable Card Drying
station (Cat. # U100) for about 30
minutes or at ambient temperature for
about two hours.
- 3. 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.
- 4. Disc translocation**
 - Push out seven discs into an eppendorf
tube using a sterile pipette tip;

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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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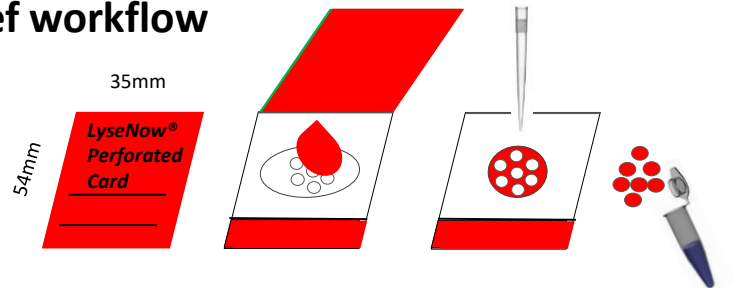
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6. DNA recovery

- 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.

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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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