RNA*Sound*™ RNA Sampling Card

ReadyPunched™

Bio Fortius

Rapid Nucleic Acids

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S200R

Keep cards refrigerated;
Keep other kit components at room temp

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

Description:

RNA*Sound*™ RNA Sampling Card unprecedentedly stabilizes RNA on filter paper by the proprietary impregnating lysis buffer. It features:

- Room temperature RNA sample collection, storage and transportation;
- Immediate inactivation and thus safe handling of infectious agents;
- Easy RNA recovery;
- Integrated RNA sample collection and RNA recovery

ReadyPunched™ format (Patent pending) eliminates the tedious card punching and the risk of cross contamination.

Kit contents

item	description	quantity
RNA Sampling Cards	Individually packaged in zip bag with desiccant	25
Polyester swabs	For sample application	25
Card Elution Solution	For DNA elution	2.5 mL

Protocol

1. Sample preparation

1) Serum, saliva, nasal fluids, environmental water samples
   - ➢ Applied directly

2) Cells or bacteria cultures:
   - ➢ (For adherent cells) Detach cells and inactivate trypsin;
   - ➢ Cells pelleted down;
   - ➢ Cells washed with 1XPBS;
   - ➢ Cells resuspended in 1XPBS

2. Sample application on card

1) Directly drop sample on the perforated discs on the card;
   - ➢ The two perforated discs on each card are for more volume of the same sample.
2) Or, collect sample on a cotton swab, and press and roll the contents of the swab onto the perforated discs on the card;
   - ➢ The stability of sample RNA is not guaranteed outside the two perforated discs.
3) Dry the card on a portable Card Drying station (Cat. # U100) for about 10 minutes or at room temperature for about an hour.

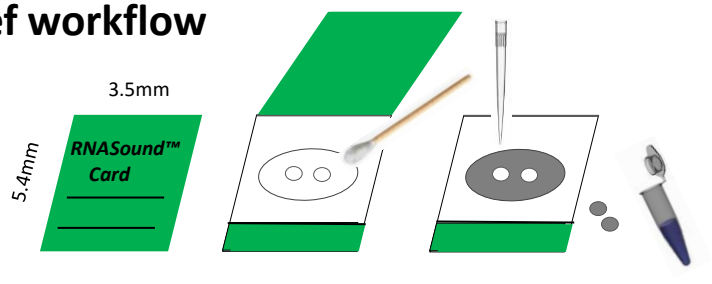
4) Return the card to its original zip bag with desiccant.
   - ➢ RNA are stable at room temp for at least one week;
   - ➢ If accessible, store cards at 4 °C or lower for longer storage.

2. RNA elution

1) Take the card out of the zip bag;
2) Further dry the card if necessary on portable Card Drying station (Cat. # U100) for 10 min, or in air for an hour;
   - ➢ Cards need to be thoroughly dry to avoid inhibitors to be eluted off with RNA;
3) Push out the two perforated discs into a 1.5 mL eppendorf tube using a sterile pipette tip;
   - ➢ If the disc hangs on the card, push the disc against the tube wall, and pull the card to detach the disc.

4) Add 100 µL of provided Card Elution Solution to each well;
   - ➢ Vortex the Card Elution Solution tube to suspend the beads in solution;
   - ➢ Pipette up and down twice before each aspiration
5) Use the pipette tip to submerge the discs in water;
6) Vortex for 1 min;
7) Spin the tubes at top speed for 1 min;
8) Transfer the supernatant to a new tube;
9) Use elute for immediate RT-PCR or store at -20° C.

Brief workflow



- Squeeze and roll the polyester swab on perforated discs;
- Dry the card on portable Card Drying station (Cat. # U100) for 10 minutes; or in air for 1 hour
- RNA are stable for one week;
- Push out discs to a 1.5 mL eppendorf tube

Add 100 µL of provided Card Elution Solution, vortex for 1 min, top speed spin for 1 min to elute RNA

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