



S200R

Keep refrigerated
One week ambient temperature
maximum for sample collection

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;

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

Kit contents

item	description	quantity
RNA <i>Sound</i> ™ ReadyPunched™ RNA Sampling Cards	Individually packaged in zip bag with desiccant	25

Protocol

- 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

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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.

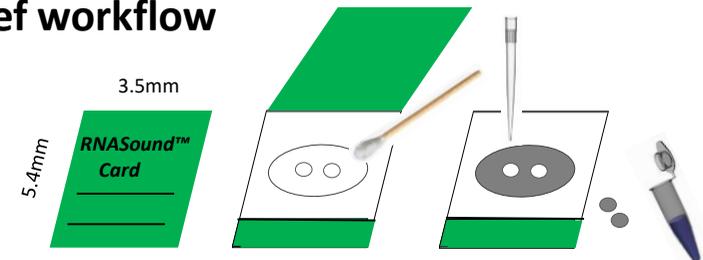
3. RNA recovery

- 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;
- 2) Vortex the tube at top speed for 5 minutes; or,
- 3) (Ideally) Shake the tube in a thermomixer for 3 min at 60C;
- 4) Transfer the supernatant to a new eppendorf tube;
- 5) Follow the protocol of selected RNA purification method to further purify RNA.

4. (Optional) DNA Recovery

- 1) After RNA elution is removed, sample DNA can be eluted by adding 100 µL of water and heating up to 95 °C for 30 min;
- 2) The elution are vortexed and cleared by spinging at top speed for 30 seconds.

Brief workflow



- Squeeze and roll the cotton tip 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
- further purify DNA/RNA

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