RNA*Sound*™ RNA Extraction Spin Columns

Bio Fortius

Rapid Nucleic Acids

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E400

Store 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 Extraction Spin Columns house filter paper pads that were impregnated with proprietary lysis buffer. Columns enable the:

- Release of RNA from cells and inactivation of RNase;
- Easy recovery of RNA with a quick spin;
- Extremely low co-extracted genomic DNA;
- Direct RT-PCR compatible RNA.

Kit contents

item	description	quantity
RNA*Sound*™ RNA Extraction Spin Columns	Centrifugation columns	50
RNA elution solution	for final RNA elution	10 mL
1.5 mL eppendorf tubes	for final RNA storage	50

Protocol

1. Sample preparation

1) 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

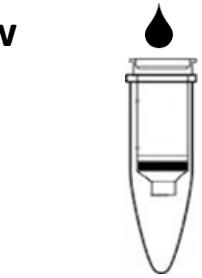
1) Apply 10~50 µL of sample to each well of the plate;
   - ➢ Load only 10 µL for highly inhibitory samples

2) Incubate the columns at 60°C in an incubator or on a dry heating block for 30 minutes;
   - ➢ The incubation is to heat up the lysis , doesn't mean to dry up the samples;
   - ➢ Holes in heating block should be deep enough to heat the column pads.

3. RNA Elution

1) Add 50 µL of provided RNA elution solution to each column;
2) Centrifuge at top speed for 1 minute;
3) Remove the supernatant to a new eppendorf tube;
4) The supernatant can be directly used for RT-PCR or stored at -20 °C or lower for future use.

Brief workflow



- Load 10~50 µL of above sample to each column;

- incubated at 60°C for 30 minutes.

- Add 50 µL of RNA elution solution
  - ➢ Spin at top speed for 1 minute to elute RNA, ready for RT-PCR.