RNA Purification Kit

Catalogue No.:abx098095

RNA Purification Kit uses silica member-based spin column for specific RNA binding. It is suitable for simple and fast purification of DNase I-treated total RNA, in vitro transcription product, RNA-labelled product, synthetic RNA. This kit permits effective removal of proteins, organic chemicals, inorganic saline ions. Purified RNA can be used in RT-PCR, qRT-PCR, chip analysis, Northern Blot and RNAi.

Kit contents (25 rxns):

- Binding Buffer: 10 ml
- Wash Buffer: 8 ml
- RNase-free Water: 1.5 ml
- RNase-free Tube (1.5 ml): 25
- RNA Spin Columns with Collection Tubes: 25

Target: RNA Purification Kit

Storage: Store dry at room temperature (15-25 °C) for up to one year.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use:

1. To prepare the Working Wash Buffer, add 32 ml of 96-100% ethanol to 8 ml Wash Buffer. Prepare only prior to immediate use.
2. To prepare the Working Binding Buffer, add 10 µl beta-mercaptoethanol for each 1 ml Binding buffer. Prepare only prior to immediate use.
3. Transfer ≤ 100 µg RNA sample into a microcentrifuge tube and add 100 µl RNase-free water. Add 350 µl of Working Binding Buffer (with beta-mercaptoethanol). Mix thoroughly by inverting or vortexing.
4. Add 900 µl of 96-100% ethanol. Precipitates may form at this stage. Mix thoroughly by inverting or vortexing.
5. Transfer half the volume of the solution (and any precipitates) to a spin column. Centrifuge at 12,000 × g for 30 seconds at room temperature. Discard the flow-through.
6. Repeat the step above with the remaining half volume of solution.
7. Add 500 µl of Working Wash Buffer (with ethanol). Centrifuge at 12,000 × g for 30 seconds. Discard the flow-through.
8. Repeat the step above once more.
9. Centrifuge at 12,000 × g for 2 minutes at room temperature. Air-dry the column matrix for several minutes.
10. Place the spin column into a clean 1.5 ml RNase-free tube. Add 15-50 µl of RNase-free Water into the spin column matrix and leave the column to stand at room temperature for 1 minute.
11. Centrifuge at 12,000 × g for 1 minute to elute the DNA.
12. Store the purified RNA at -80°C.

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