EasyPure® RNA Purification Kit

Cat. No. ER701

Storage: at room temperature (15°C- 25°C) in a dry place for one year

Description

EasyPure®RNA Purification Kit uses silica-based spin column for specific RNA binding. The kit can be used for RNA purification from DNase I-treated total RNA, *in vitro* transcription product, RNA-labelled product, synthetic RNA. This kit permits effective removal of proteins, organic chemicals, inorganic salt ion and other impurities. Purified RNA is suitable for RT-PCR, qRT-PCR, Northern blot and other applications.

Kit Contents

Component	ER701-01 (25 rxns)
Binding Buffer 12 (BB12)	10 ml
Wash Buffer 12 (WB12)	8 ml
RNase-free Water	1.5 ml
RNase-free Tube (1.5 ml)	25 each
RNA Spin Columns with Collection Tubes	25 each

Procedures

Please add 32 ml of 100% ethanol to WB12 before use. All centrifugation are performed at room temperature.

Reagents provided by customers: chloroform, 96%-100% ethanol

1. Transfer ≤100 μg RNA sample into a microcentrifuge tube and supplement to 100 μl with RNase-free water. Add 350 μl of BB12 (add 10 μl β-mercaptoethanol for per ml BB12, and it must be freshly prepared before use). Mix thoroughly by inverting or vortexing.
2. Add 900 μl of 96%-100% ethanol (precipitates may form at the stage). Mix thoroughly by inverting or vortexing.
3. Transfer half volume of solution and precipitates together to a spin column. Centrifuge at 12,000×g for 30 seconds at room temperature. Discard the flow through.
4. Repeat step 3 with the remaining half volume of the solution.
5. Add 500 μl of WB12 (Check to be sure ethanol has been added) into the spin column. Centrifuge at 12,000×g for 30 seconds at room temperature. Discard the flow through.
6. Repeat step 5 once.
7. Centrifuge at 12,000 ×g for 2 minutes at room temperature. Air-dry the column matrix for several minutes.
8. Place the spin column into a clean 1.5 ml RNase-free tube. Add 15-50 μl RNase-free Water into the spin column matrix and incubate at room temperature for 1 minute.
9. Centrifuge at 12,000×g for 1 minute to elute RNA.
10. Store the purified RNA at -80°C.

FOR RESEARCH USE ONLY