RNA purification

Materials:

• *EasyPure*® RNA Purification Kit(Transgene, catalog no. ER701-01)
• Sterile and nuclease-free 1.5 or 2.0-mL Eppendorf tubes, PCR tubes or multi-well plates
• Nuclease-free, molecular biology-grade water
• 100% ethanol
• β-mercaptoethanol
• chloroform

Procedure:

Please add 32ml of 100% ethanol to WB12before use. All centrifugation is performed at room temperature.
Reagents provided by customers：chloroform，96%-100%ethanol
l.Transfer: ≤l00ug RNA sample into a microcentrifuge tube and supplement to100ul with RNase-free water.Add350ul of BB12（add l0ul β-mercaptoethanol for per ml BB12，and it must be freshly prepared before use). Mix thoroughly by inverting or vortexing.
2.Add 900ul 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 500ul of WB12（Check to be sure ethanol has been added）into the spin column. Centrifuge at 12, 000×g for30 seconds at room temperature. Discard the flow through.
6.Repeat step 5 once.
7.Centrifuge at 12，000xg for 2 minutes at room temperature. Air-dry the column matrix for several minutes.
8.Place the spin column into a clean 1.5ml RNase-free tube. Add 15-50ul RNase-free Water into the spin column matrix and incubate at room temperature for 1minute.
9.Centrifuge at 12，000×g for 1minute to elute RNA.
10.Store the purified RNA at -80C.