PRODUCT INFORMATION

EZ-10 Spin Column RNA Cleanup & Concentration Kit

Product information for BS91315:

Component

Components	BS91315, 50 Preps
Buffer RLT	50 ml
Universal RPE Solution	12 ml
RNase-free Water	5 ml
EZ-10 Spin Column	50
2 ml Collection Tube	50
Protocol	1

*Before use, add 48 ml of 100% ethanol (RNase free) to 12 ml Universal RPE Solution.

Introduction

EZ-10 Spin Column RNA Cleanup & Concentration kit is designed for rapid purification and concentration from *in vitro* transcription products or total RNA isolated from various methods such as labeling or DNase digestion.

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Storage and Stability

Transported at room temperature. Upon receipt, store all components at 4°C. The kit is stable for up to 12 months at 4°C.

Features

- ü Recovery of RNAs larger than 20nt.
- ü No toxic organic chemicals used.
- ü Rapid and convenient, the whole procedure takes only 5 minutes.
- ü Rate of recovery higher than 80%.
- ü Compatible with most downstream applications.
- ü

NOTE: Care must be taken when working with RNA. It is important to maintain an RNAse-free environment starting with RNA sample preparation and continue through purification and analysis. Use RNAse free tubes, tips, gels. Wear gloves at all times.

Starting Material

A maximum of 100 µg RNA can be used in the RNA cleanup protocol. This amount corresponds to the binding capacity of the RNeasy mini columns.

Important Notes

We recommend DNAse digestion or kit BS88133 to prepare DNA-free RNA.

Procedures

1. Add 9 volumes of Buffer RLT to RNA solution, mix thoroughly by pipetting.

   Note: Do not centrifuge.

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2. Add 1/2 volume of ethanol, mix by inverting the tube.
3. Apply the sample to an EZ-10 Spin Column placed in a 2 ml collection tube (supplied). Close the tube gently, and centrifuge at 12,000 *rpm* for 30 seconds at room temperature. Discard the flow through.

   Note: If the total volume exceeds 700 µl, repeat this step until all solution pass through the column. RNA columns do not have DNase on-column. In order to remove DNA, Dnase digestion is required (not supplied in the kit).
4. Add 0.5 ml RNA Universal RPE Solution. Centrifuge at 12,000 rpm for 30 seconds at room temperature, and discard the liquid in the collection tube.

   Note: Universal RPE Solution is supplied as a concentration. Ensure that ethanol is added to Universal RPE Solution before use.
5. Repeat step 4 once.
6. Centrifuge at 10,000 rpm for an additional 2 minutes to remove any residual Universal RPE Solution.

   Note: it is important to dry the membrane since residual ethanol may interfere with downstream reactions. Following centrifugation, remove column from the collection tube carefully so the column does not contact the flow through as this will results in carryover of ethanol.
7. Transfer the EZ-10 Spin Column into a new RNase-free centrifuge tube; add 30-100 µl RNase-free Water. Keep at room temperature for two minutes.
8. Centrifuge at 12,000 rpm for 1 minute. Store RNA at -80ºC until use.

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