

RNAmate

Introduction

A common problem in current RNA isolation methods is the contamination of RNA with polysaccharides and proteoglycans, which will adversely affect migration of RNA in gel electrophoresis and inhibit the reverse transcription-polymerase chain reaction (RT-PCR). RNAmate is a ready to use reagent for decontamination of polysaccharides and proteoglycans from RNA preparations, and our testing shows that RNAmate increases the purity of total RNA. RNAmate is the only polysaccharide and proteoglycan decontamination solution for RNA purification on the market.

Features

- Isolate total RNA from small or large samples
- Eliminate polysaccharide and proteoglycan from RNA

Application

In any RNA phenol extraction method, the RNAmate solution can be used for RNA purification.

Content

1. RNAmate 100 ml
2. Certificate of Analysis
3. User Manual

Protocol

We strongly recommend using BioChain's Easy mRNA Kit (Cat # K2011010) for RNA isolation in combine with RNAmate for RNA purification

1. Using Easy mRNA kit: a. Simply mix equal volume of RNAmate with supernatant from RNAexol I and RNAexol II and store at -20°C for 30 minutes. B. Spin at 12,000 rpm for 15 minutes at 4°C, then wash pellet with 75% ethanol. Air dry pellet and dissolve RNA pellet in DEPC water or other appropriate buffer.
2. Using other RNA phenol extraction reagent, such as TRIzol, RNAzol, etc: Simple mix equal volume of RNAmate with supernatant (upper aqueous phase) of phenol extraction, then repeat b in method 1.

Note: RNAmate can be used for precipitating RNA dissolved in DEPC water or other RNA storage solution, but will result a lost of RNA quantity.