


# RNAsecure™ Resuspension Solution

Catalog Number AM7010

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Contents	Quantity	Storage conditions
RNAsecure™ Resuspension Solution	10 x 1.0 mL	Store pure solution at –20°C. Store RNA resuspended in RNAsecure™ Resuspension Solution at –80°C.

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Product description

RNAsecure™ Resuspension Solution is designed for direct resuspension of precipitated RNA that may contain trace amounts of ribonuclease. RNAsecure™ Resuspension Solution is capable of inactivating a maximum RNase concentration of 10 ng/mL in an RNA sample. In-house data show that, without RNAsecure™ Resuspension Solution, an RNA sample contaminated with 2 ng/mL of RNase I (Cat. nos. AM2294, AM2295) or with RNase Cocktail® Reagent (Cat. nos. AM2286, AM2288; RNase A and RNase T1) can result in approximately 50% degradation in an overnight incubation. RNAsecure™ Resuspension Solution has been extensively tested in a variety of enzymatic reactions, including in vitro transcription and reverse transcription reactions, and has not been found to produce any measurable downstream inhibition.

## Using RNAsecure™ Resuspension Solution

1. Preheat the appropriate volume of RNAsecure™ Resuspension Solution to 60°C.  
**Note:** A window of vulnerability to degradation exists between resuspension of an RNA pellet in RNAsecure™ Resuspension Solution and subsequent heating. For best results we recommend using preheated RNAsecure™ Resuspension Solution.
2. Following precipitation of an RNA sample, dissolve the RNA pellet in preheated RNAsecure™ Resuspension Solution. Resuspend RNA at a concentration of 0.4–2 µg.
3. Immediately heat the sample at 60°C for 10 minutes to inactivate potential RNase contamination. Cool to room temperature.
4. The resuspended RNA is ready to use. Alternatively, store at –80°C until use.

## Limited product warranty

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