



## **RNAsafe RNase inactivator**

**Product Number: RNK1601**

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### **Shipping and Storage**

Store at -20°C for more than six months.

### **Description**

RNAsafe contains several special compounds that can inactivate RNase and efficiently remove RNase contamination that may exist in various solutions or reaction buffers, thereby preventing RNA degradation. RNAsafe can be used to prepare RNA suspensions and can be added to various RNA reaction solutions (such as in vitro transcription, reverse transcription, RT-PCR, probe preparation, molecular hybridization, Nuclease Protection Assay, etc.) to inactivate possible trace amounts of RNase contamination, enhance RNA stability, and obtain better experimental results.

### **Note**

Suitable for various buffer solutions, including Tris and MOPS buffer systems that cannot be processed by DEPC.

Safely and conveniently remove trace amounts of RNase from the solution.

The treated solution can be reprocessed at any time (60°C 10-20 minutes) to remove any potential subsequent RNase contamination.

It does not affect the activity of reverse transcriptase, RNA polymerase, and heat-resistant DNA polymerase, and can be used for reverse transcription and in vitro transcription reactions.

No high-pressure sterilization is required after processing.

### **Protocol**

This product is a 20X concentrated solution, diluted with 20X RNAsafe in the general solution or reaction buffer to a final working concentration of 1X. For example, 5µl of RNAsafe can be added to the 95µl solution to be treated.

Treat at 60°C for 20 minutes to inactivate the contaminated RNase.

Cool to room temperature before use or store at an appropriate temperature.

The treated solution can be reprocessed at any time (60°C 10-20 minutes) to remove any potential subsequent RNase contamination.

Enzymes sensitive to 60°C treatment, such as reverse transcriptase and RNA polymerase, should be added after cooling at 60°C.