

Product Information

ProtectRNA™ RNase Inhibitor, 500× Concentrate

Catalog Number **R7397**

Storage Temperature 2–8 °C

Product Description

ProtectRNA™ RNase Inhibitor is a potent inhibitor of most nucleic acid binding enzymes and it can be used as an RNase inhibitor in assays like *in situ* hybridization. The product is supplied as a 500× concentrate.

ProtectRNA inhibits most nucleic acid binding enzymes such as RNase and DNase, reverse transcriptase, some RNA and DNA polymerases, protein synthesis enzymes, and several restriction endonucleases. In contrast, ProtectRNA does not interfere with DNA and RNA hybridizations. The action of ProtectRNA as a nuclease inhibitor can be used as an advantage for *in situ* hybridization.

ProtectRNA is useful during all steps of *in situ* hybridization in protecting the tissue RNA from RNase degradation. It is recommended to add ProtectRNA to all aqueous solutions used, from as early as the deparaffinization step until the hybridization is completed. The use of the product eliminates the need for special dishwashing and “after washing” cleaning and treatments. Two ml of the product treats 1000 ml of solution.

This product is **not** recommended in systems where other enzymatic activity is required.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store the product at 2–8 °C, protected from light. Working dilutions should be discarded if unused within 24 hours.

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