

RNase Inhibitor

Product Handling Guide

Shipping: On Dry or Blue Ice
Catalog number: MDX056
Batch No.: See vial
Concentration: 40 u/μL

Store at -20 °C



Storage and stability:

RNase Inhibitor is shipped on dry or blue ice. On arrival store at -20 °C for optimum stability. Repeated freeze/thaw cycles should be avoided. Thawing during transportation does not affect the product performance. For long-term storage, aliquoting is recommended.

Expiry:

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

Safety precautions:

Read and understand the SDS (Safety Data Sheets) before handling the reagents. Hardcopies of the SDS will be provided with the first shipment, thereafter they will be available upon request.

Quality control:

Bioline operates under ISO 13485 Quality Management System. RNase Inhibitor and its components are extensively tested for activity, processivity, efficiency, heat activation, sensitivity, absence of nuclease contamination and absence of nucleic acid contamination.

Notes:

This reagent has been manufactured under 13485 Quality Management System and is suitable for further manufacturing use as an IVD component.

Description

RNase Inhibitor (Ribonuclease Inhibitor) is a recombinant protein which inhibits different RNases (A, B, C) by binding non-covalently in a 1:1 ratio. With an association constant of 10^{14} M, RNase Inhibitor is useful in any applications where the presence of RNases is a potential problem. RNase Inhibitor is tested for activity, SDS-PAGE purity, and the absence of endonucleases, nickases and exonucleases.

Kit components

Table 1

Component
RNase Inhibitor

Source

E. coli strain carrying the gene of RNase Inhibitor.
RNase A is not involved in the purification process.

Typical Reaction Conditions

RNase Inhibitor must be used at a final concentration of between 10-40 u in a 25 μL reaction mix (This is dependent on the RNase contamination in the sample). For optimal RNase inhibition, a final concentration of 1 mM DTT is required

Related Products	Cat. No.
Fast 1-Step RT-qPCR Mix	MDX032
1-Step qPCR Buffer, 4x	MDX034
MMLV-RT	MDX044

Technical Support

For any technical enquiries, please contact our Technical Support team via email at: mbi.tech@meridianlifescience.com

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