

Technical Data Sheet

MOLEQULE-ON[®]

RNase Inhibitor

Cat No. CH-M-721

DESCRIPTION

RNase Inhibitor offered by MOLEQULE-ON is a highly purified, nuclease-free preparation. It is supplied at a concentration of 40,000 units/ml or 40 units/ul, in a buffer containing 20mM HEPES-KOH (pH 7.6), 50mM KCl and 8mM DTT. Each lot is rigorously tested and is guaranteed free of non-specific endonuclease, exonuclease, and RNase activity.

It does not inhibit RNA polymerases, DNA polymerases, RNase H, or RNase T1, and is therefore ideal for use in RT-PCR reactions, in vitro transcription, or cDNA library construction. One unit of this protein will inhibit 50% of the activity of 5 ng RNase A.

It is used to avoid RNase contamination. Add inhibitor to achieve final concentration of 1 unit/ul in the reaction. During assembly of a reaction, RNase Inhibitor should be added before other components that are a possible source of RNase contamination (i.e. enzymes, plasmid from a mini-prep).

STORAGE

Store at -20°C.

For laboratory use only. Not intended for human therapeutic or diagnostic use.

MOLEQULE-ON