

Product Name: RNaseTOL RNase Inhibitor

Catalog No: VN70TOL, VN71TOL, VN72TOL

Packing Size: 1 x 2,500 Units, 4 x 2,500 Units and 24 x 2,500 Units

Shipping Condition: Dry ice

Storage Condition: -20°C

Product Description:

RNaseTOL RNase Inhibitor inhibits the activity of RNases A, B, and C. It does not inhibit eukaryotic RNases T1, T2, U1, U2, CL3 or prokaryotic RNases I and H.

Product Features

- Performs under a wide range of reaction conditions
- Protects RNA from degradation at temperatures up to 55°C

Applications

- *in vitro* transcription
- cDNA synthesis
- *in vitro* translation
- RNA purification and storage.
- separation and identification of specific ribonuclease activities

Definition of Activity Unit

One unit of the RNaseTOL RNase Inhibitor inhibits the activity of 5 ng of RNase A by 50%.

Storage Buffer

The protein is supplied in: 20 mM HEPES-NaOH (pH 7.5), 50 mM NaCl, 8 mM DTT, 0.03 % (v/v) ELUGENT Detergent and 50% (v/v) glycerol.

Note

- DTT provided in the Storage Buffer ensures stability during long term storage, but is not necessary for inhibitor activity.
- Recommended concentration – 1 U / μ L of a reaction mixture.