

Bangalore Genei offers reagents used for RNA preparation. Reagents are prepared using DEPC treated water and tested for absence of DNase RNase and Protease contamination.

DNase I (RNase Free)

Description: DNase I (bovine pancreas) is a glycoprotein and double strand specific endonuclease which is made free of RNase activity and best suited for specific applications, where maintenance of RNA integrity is critical. The protein requires divalent cations for maximal activity. Supplied in 20mM Tris-HCl (pH 7.6), 1mM DTT, 0.1mg/ml Nuclease Free BSA and 50% (v/v) glycerol.

Unit Definition: One unit is that amount of enzyme causing an increase in absorbance at 260 nm by 0.001 per minute at 25 °C and pH 5.0.

Ordering Information:

| Product | Size | Cat # |
|-------------------------|--------|--------|
| DNase I (RNase Free) | 1000 U | 105448 |

Application:

- DNase I (RNase free) is used in purification of DNA- free RNA made by in-vitro synthesis using SP6 or T7 RNA Polymerase system.
- Used for radio active labelling by nicktranslation

Storage: -20°C.

DNase I (Deoxyribonuclease I)

Description: Supplied as white lyophilised powder which dissolves readily at 5 mg/ml in 0.15 M sodium chloride to give a clear colourless solution. The enzyme loses its activity irreversibly by heat treatment at 80° C for 10 min.

Activity: In the range of 1000 U/mg material (Kunitz).

Unit definition: One unit is that amount of enzyme causing an increase in absorbance at 260 nm by 0.001 per min. at 25° C and pH 5.0.

Store at - 20°C

Application: Deoxyribonuclease I (bovine pancreas) is used to catalyze random degradation of both single and double-stranded DNA producing 5'-P terminal oligonucleotides.

Ordering Information:

| Product | Size | Cat # |
|--------------------------|-------|--------|
| Deoxyribo- nuclease I | 10 mg | 105418 |
| | 50 mg | 105417 |