

RNase (DNase-free)

(Catalogue number D106)

rev. 01/2022

Description

RNase (DNase-free) is isolated from bovine pancreas. This enzyme is suitable for isolation of plasmids using DNA Lego kit (Cat. No. D100)

Technical data

Enzyme Concentration

- RNase (DNase-free) is supplied at a concentration 10 mg/ml; ~900 U/ml.

Components and Packaging

- 1 test tube RNase (DNase-free), 5 000 U/500 µl.
- 1 test tube with 5x concentrated react buffer, 1 ml.

Unit Definition

- One unit corresponds to the amount of enzyme which hydrolyzes RNA at a rate constant $k = 1$ at 25°C and pH 5.0 (M. Kunitz, J. Biol. Chem., 164: 563, 1946).

Storage

- At temperature $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$. Material can be repeatedly defrosted.

Composition

- Storage buffer: 20 mM Tris-HCl (pH 7.5 at 20°C), 30 mM NaCl, 50% (vol/vol) glycerol.

Quality control

- Under conditions completely degrading RNA, the enzyme has no effect on DNA (as defined by electrophoresis in agarose gel).

Cat. No.	Product name and specification	Amount
D106	RNase (DNase-free)	0.5 ml

