

TECHNICAL SHEET:

DNase I (CaCl₂-Free)

Ref : EA20

Storage : at 4°C for one year.

Quantity : 25 mg

Description :

DNase I (Deoxyribonuclease I) is an endonuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide, yielding 5'-phosphate-terminated polynucleotides with a free hydroxyl group at the 3' position. This CaCl₂-free formulation is ideal for applications where calcium ions could be problematic.

- Active in a variety of buffers, optimized for Mg²⁺ containing buffers.
- Incubation temperature: 37°C.
- Incubation time: Typically 5 to 15 minutes for most applications.

Source :

Purified from bovine pancreas.

Applications :

- Removal of DNA from RNA preparations.
- Decrease of viscosity in protein extracts.
- Preventing clumping of cells or tissues.
- Used in a variety of molecular biology applications where the presence of calcium ions could interfere with subsequent reactions.