



DNase I (Deoxyribonuclease I)

Product Number: DI01

Shipping and Storage

Store in an airtight container, at 2°C to 8°C..

Description

Bovine pancreatic deoxyribonuclease (DNase) is an endonuclease which splits phosphodiester linkages, preferentially adjacent to a pyrimidine nucleotide yielding polynucleotides with free hydroxyl group at the 3' position and phosphate group at the 5' position. The optimum pH is 7.8. DNase I is activated by bivalent metals, and inhibited by chelating agents such EDTA and sodium dodecyl sulfate. DNase I can be stabilized against proteolytic digestion by 5mM Ca²⁺.

Deoxyribonuclease has been chromatographically purified to remove trace contaminating proteases. DNase may be used in clinic to thin and liquefy mucus in the lungs.

Source

Bovine Pancrease

Specification

Appearance	White or pale yellow lyophilized powder
Activity	≥2000 Kunitz units/mg powder
Loss on drying	≤ 0.3%
Residue on ignition	≤ 1.0%