

Collagenase NB 6 from Clostridium histolyticum (GMP Grade)

Cat. No. NATE-1918

Lot. No. (See product label)

Introduction

Description Collagenases from Clostridium histolyticum are proteolytic enzymes that cleave peptide bonds in the triple helical collagen molecule of human or animal tissue in situ. For this reason collagenases are widely used for isolation of various cell types by tissue dissociation.

Applications Collagenase NB 6 GMP Grade is suitable for cell isolation from various tissue types intended for clinical applications. If a research or sterile product is required, Collagenase NB 4 Standard Grade or Collagenase NB 5 Sterile Grade, respectively, are recommended. Both products have comparable enzymatic activities to Collagenase NB 6 GMP Grade.

Synonyms Collagenase NB 6; Collagenase NB; Collagenase

Product Information

Source Clostridium histolyticum

Form Lyophilized powder

EC Number EC 3.4.24.3

CAS No. 9001-12-1

Molecular Weight 70 000 - 120 000 (collagenases)

Activity ≥ 0.100 U/mg

Unit Definition 1 U according to Wünsch catalyzes the hydrolysis of 1 μ mole 4-phenylazobenzyloxycarbonyl-L-prolyl-L-leucylglycyl-L-prolyl-D-arginine per minute at 25 °C, pH 7.1.

Storage and Shipping Information

Storage 2 to 8 °C