

DATASHEET

Cat.No. 17456

Collagenase NB 8 Broad Range

EC 3.4.24.3

Origin	<i>Clostridium histolyticum</i>	
Composition	Collagenase ¹ class I and class II, Clostripain (EC 3.4.22.8), Trypsin-like activities and Neutral Protease	
Molecular weight	70 – 120 kDa (collagenases)	
Characters	Light brown, chromatographically purified, lyophilisate	
Protein content	Lowry assay	approx. 95%
Activities	Collagenase (PZ activity ² , 25°C)	≥ 0.9 U/mg lyophilisate
	Neutral Protease (DMC assay ³)	≤ 0.2 U/mg lyophilisate
	Trypsin-like activities (BAEE assay)	≤ 0.5 U/mg lyophilisate
Bacterial endotoxins	LAL assay	≤ 100 EU/mg lyophilisate
Long term storage	+2 to +8°C	

Unit definition

Collagenase (PZ activity according to Wünsch²)

1 Unit catalyzes the hydrolysis of 1 μmol 4-phenyl-azobenzoyloxycarbonyl-L-prolyl-L-leucyl-glycyl-L-prolyl-D-arginine per minute at 25°C, pH 7.1.

¹ Bond, M.D., van Wart, H.E.; *Biochemistry*, **23**, 3077-91 (1984).

² Wünsch, E., Heidrich, H.G.; *Hoppe-Seyler's Zeit. Physiol. Chem.*, **333**, 149-51 (1963).

³ Lin, Y. et al.; *J. Biol. Chem.* **244**, 789-93 (1969).