

## interstitial collagenase

Cat. No. EXWM-4353

Lot. No. (See product label)

### Introduction

#### Description

The enzyme takes its name from substrates of the interstitial collagen group - types I, II and III, all of which are cleaved in the helical domain. However,  $\alpha$ -macroglobulins are cleaved much more rapidly. The enzyme is widely distributed in vertebrate animals. Type example of peptidase family M10

#### Synonyms

vertebrate collagenase; matrix metalloproteinase 1

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.4.24.7

#### CAS No.

9001-12-1

#### Reaction

Cleavage of the triple helix of collagen at about three-quarters of the length of the molecule from the N-terminus, at Gly775-Ile in the  $\alpha 1(I)$  chain. Cleaves synthetic substrates and  $\alpha$ -macroglobulins at bonds where P1' is a hydrophobic residue

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.