

# Animal Free Collagenase, Type C

Purified Enzyme  
Cat. # SCR138

FOR RESEARCH USE ONLY  
NOT FOR USE IN DIAGNOSTIC PROCEDURES

pack size: 50mg

Store at 2-8°C



## Certificate of Analysis

page 1 of 2

### Background

Crude collagenases are widely used in enzymatic primary cell isolation and tissue dissociation procedures. Most researchers employ either crude collagenase preparations such as Types I, II, III, and IV or chromatographically purified collagenase. EMD Millipore's Animal Free Collagenase, Type C, is prepared and purified from cultures grown in medium completely devoid of animal based components and designed for bioprocessing applications where introduction of animal derived pathogens, such as BSE, TSE and other mammalian viruses, must be prevented. Animal Free Collagenase, Type C is designed to have collagenase and secondary proteases similar to Types III and IV collagenase.

### Source

Isolated and purified from *Clostridium histolyticum* cultures devoid of animal containing reagents.

This product is manufactured in an ISO9001:2008 certified environment.

### Enzymatic Activity

Collagenase Activity:  $\geq 10,000$  units per vial  
Caseinase Activity:  $\geq 150$  caseinase units/mg  
Clostripain Activity:  $\leq 3.0$  clostripain units/mg  
Tryptic Activity:  $\leq 0.1$  tryptic units/mg

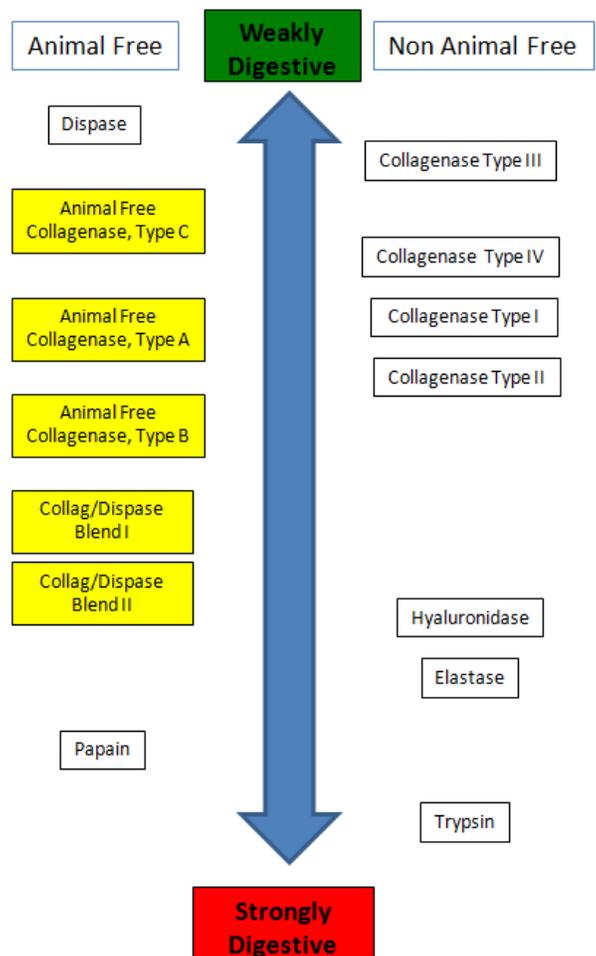
### Presentation

Product is diafiltered with water, filtered through a 0.22 micron membrane and lyophilized in vials.

### Storage and Handling

Store at 2-8°C. Further dilutions should be made into appropriate buffer and/or medium to which protein has been added, such as DMEM/1% Human Serum Albumin or equivalent.

### Enzymatic Activity Levels of Animal Free Collagenases



**SPECIES LEGEND:** H Human Ca Canine M Mouse R Rat Rb Rabbit B Bovine P Porcine WR Most Common Vertebrates

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cat #		description
SCR103	■	Collagenase type I
234153-1GM	■	Collagenase, Type I, Clostridium histolyticum
234155-100MG	■	Collagenase, Type II, Clostridium histolyticum
234134-250U	■	Collagenase, Type III, Clostridium histolyticum
SCR005	■	Accutase
SCR006	■	Accumax
SM2003-C	■	Trypsin-EDTA
S-004-C	■	Enzyme Free Cell Dissociation Solution Hank's Based (1X), liquid
SCM133	■	PluriSTEM™ Dispase-II Solution

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