

# Animal Free Collagenase, Type B



Purified Enzyme  
Cat. # SCR137

FOR RESEARCH USE ONLY  
NOT FOR USE IN DIAGNOSTIC PROCEDURES

pack size: 50mg

Store at 2-8°C

## Certificate of Analysis

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### 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 B, 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 B is designed to have collagenase and secondary proteases similar to Types II 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: ≥15,000 units per vial

Caseinase Activity: ≥300 caseinase units/mg

Clostripain Activity: ≤5.0 clostripain units/mg

Tryptic Activity: ≤0.5 trypic units/mg

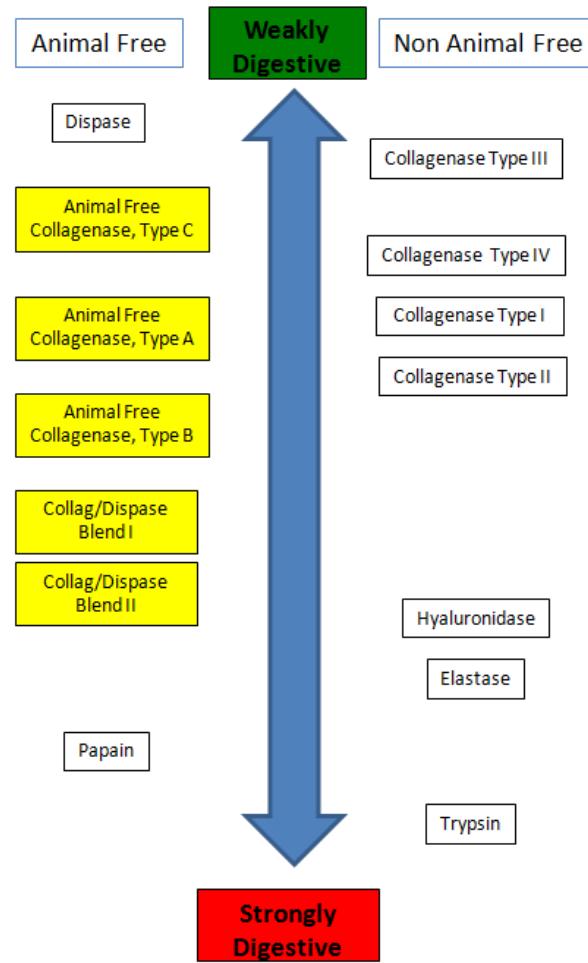
### Presentation

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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#### RELATED PRODUCTS

cat #	description
SCR103	Collagenase type I
234153-1GM	Collagenase, Type I, <i>Clostridium histolyticum</i>
234155-100MG	Collagenase, Type II, <i>Clostridium histolyticum</i>
234134-250U	Collagenase, Type III, <i>Clostridium histolyticum</i>
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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