

# Animal Free Collagenase/Dispase Blend II

Purified Enzyme Blend

Cat. # SCR140

FOR RESEARCH USE ONLY  
NOT FOR USE IN DIAGNOSTIC PROCEDURES  
NOT FOR HUMAN OR ANIMAL CONSUMPTION

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. Dispase is especially suitable for tissue disaggregation and subcultivation procedures since it does not damage cell membranes. EMD Millipore's Animal Free Collagenase/Dispase Blend II is a mixture of animal free collagenase, type B, and neutral protease/dispase, and is intended to be used when a more potent enzymatic dissociation solution than collagenase is desired. The product 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.

### Source

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

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

### Enzymatic Activity

Collagenase Activity:  $\geq 12,500$  units per vial

Caseinase Activity:  $\geq 2000$  caseinase units/mg

Clostripain Activity:  $\leq 5.0$  clostripain units/mg

Tryptic Activity:  $\leq 0.5$  tryptic units/mg

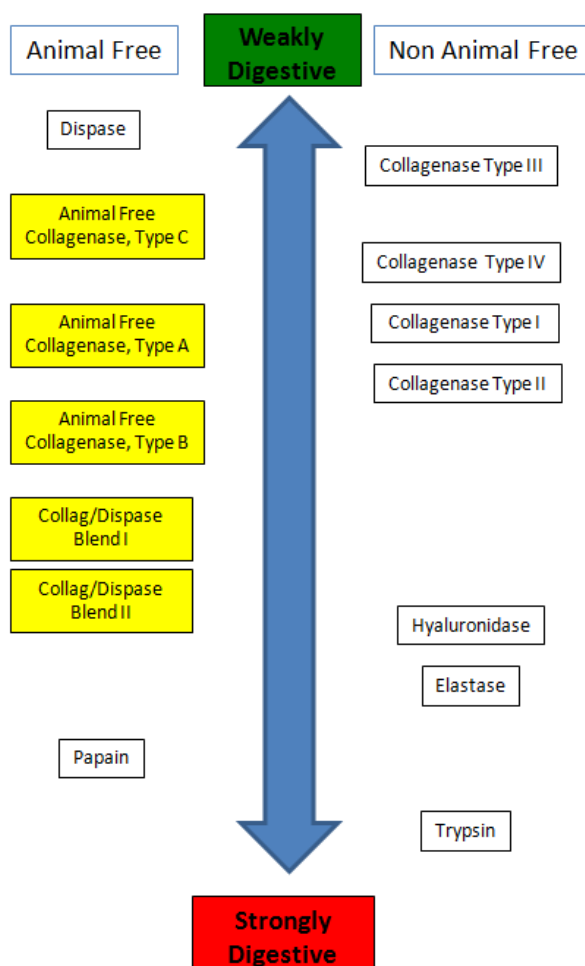
### Presentation

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

Please visit [www.millipore.com](http://www.millipore.com) for additional product information and references.

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**RELATED PRODUCTS**

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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■ antibodies ■ Multiplex products ■ biotools ■ cell culture ■ enzymes ■ kits ■ proteins/peptides ■ siRNA/cDNA products

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