





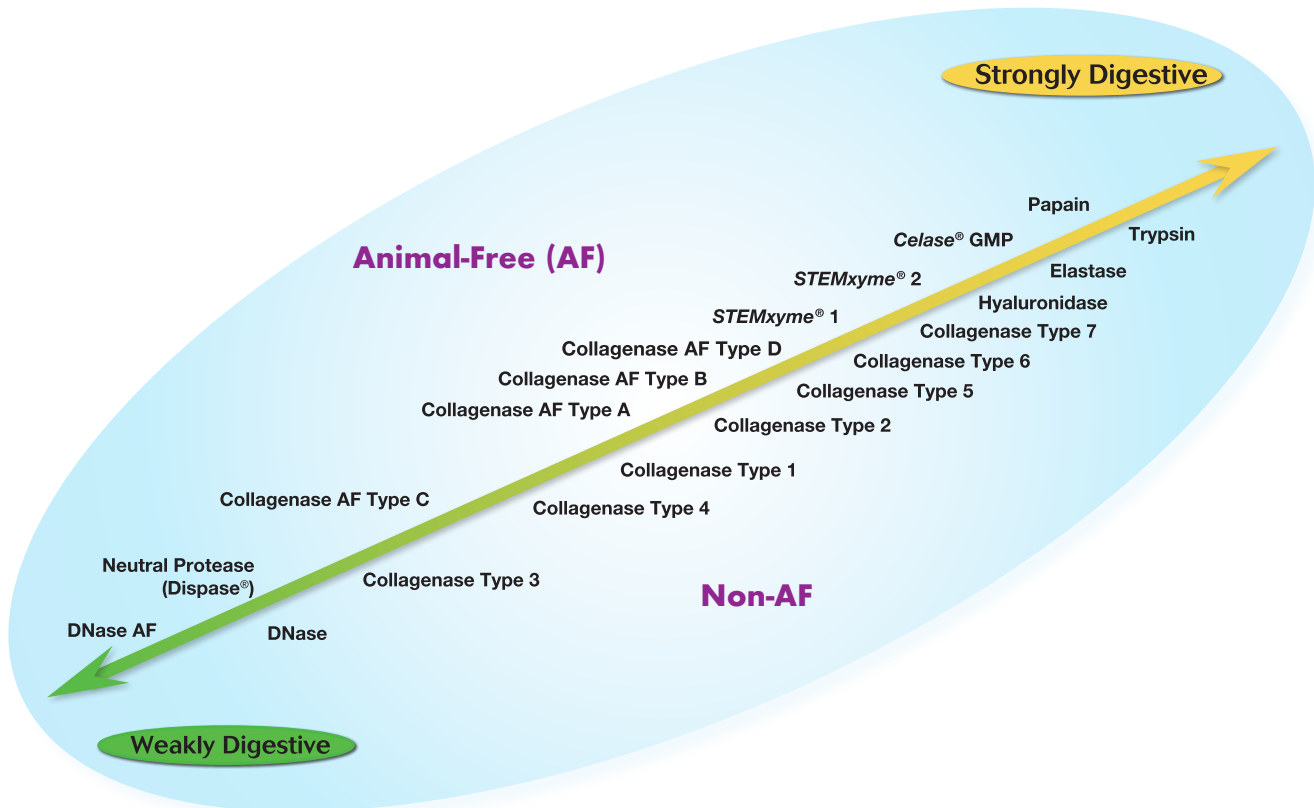
STEMxyme® 1 & 2 Collagenase/Neutral Protease (Dispase®) are specialized combinations of Animal Free *Clostridium histolyticum* collagenase (Code: CLSAFB) and Animal Free *Bacillus polymyxa* neutral protease (Dispase®) with a minimum of 250 CLS units and 1,000 or 2,000 caseinase units per milligram dry weight, respectively. Designed for stem cell, regenerative medicine and other primary cell isolations and bioprocessing applications where introduction of potential animal derived pathogens must be prevented.

A detailed description of the Worthington collagenase and contaminant assays can be found in the Worthington Enzyme Manual. In addition tissue specific references and detailed isolation conditions can be found in the Worthington Tissue Dissociation Guide. Please request your copy or go to Worthington-Biochem.com or TissueDissociation.com.

PRODUCT HIGHLIGHT

Description	Activity	Code	Catalog No.	Size
<p>STEMxyme®1, Collagenase/ Neutral Protease, 0.22 Filtered</p> <p>A specialized combination of Animal Free <i>Clostridium histolyticum</i> collagenase and Animal Free <i>Bacillus polymyxa</i> neutral protease with a minimum of 250 CLS units and 1,000 caseinase units per mg dry weight. Designed for stem cell and other primary cell isolations and bioprocessing applications where introduction of potential animal derived pathogens must be prevented. Store at 2-8°C.</p>	<p>≥250 collagenase units per mg dry weight</p> <p>≥1,000 caseinase units per mg dry weight</p>	<p>STZ1</p> 	<p>LS004106</p> <p>LS004107</p>	<p>50 mg</p> <p>5 x 50 mg</p>
<p>STEMxyme®2, Collagenase/ Neutral Protease, 0.22 Filtered</p> <p>A specialized combination of Animal Free <i>Clostridium histolyticum</i> collagenase and Animal Free <i>Bacillus polymyxa</i> neutral protease with a minimum of 250 CLS units and 2,000 caseinase units per mg dry weight. Designed for stem cell and other primary cell isolations and bioprocessing applications where introduction of potential animal derived pathogens must be prevented. Store at 2-8°C.</p>	<p>≥250 collagenase units per mg dry weight</p> <p>≥2,000 caseinase units per mg dry weight</p>	<p>STZ2</p> 	<p>LS004112</p> <p>LS004113</p>	<p>50 mg</p> <p>5 x 50 mg</p>

Worthington Primary Cell Isolation Enzyme Digestion Scale



Tissue dissociation/primary cell isolation and cell harvesting are principal applications for enzymes in tissue culture, stem cell research and cell biology studies. The goal of a cell isolation procedure is to maximize the yield of functionally viable, dissociated cells. There are many parameters which may affect the outcome. The choice of enzyme is an important parameter. Worthington's Tissue Dissociation Guide summarizes our knowledge of how these enzymes accomplish the "routine" operations of tissue dissociation and primary cell harvesting. This technical guide describes standard lab procedures; offers a logical experimental approach for establishing a cell isolation protocol; and lists many tissue specific references to aid development of an effective method. For more information, go to: TissueDissociation.com

For current citations in real-time, go to the online product listings and reference the Bioz Stars in the yellow highlighted area:

<https://www.Worthington-Biochem.com/products>

Related Products

Cell Isolation Optimizing System • Collagenase • Deoxyribonuclease I • Elastase • Hepatocyte Isolation System • Hyaluronidase
Neonatal Cardiomyocyte Isolation System • Neutral Protease (Dispase®) • Papain • Papain (Neural) Dissociation System
Proteinase K • Trypsin • Trypsin Inhibitors

For Product Catalog, Tissue Dissociation Guide and Enzyme Manual, go to: Worthington-Biochem.com