

Bioactive

## Collagenase (*C. histolyticum*)

Catalog # P5272      Size 100 mg

### Specification

Product Description	Lyophilized. Animal Origin Free.
Biological function	Collagenases are enzymes that break the peptide bonds in collagen.
Host	Clostridium Species
Form	Lyophilized
Preparation Method	Native protein purified from <i>Clostridium histolyticum</i> . Prepared cultures grown in medium completely devoid of animal based components and designed for bioprocessing applications where introduction of animal derived pathogens must be prevented.
Activity	$\geq 150$ units per mg dry weight. One Unit releases one micromole of L-leucine equivalents from collagen in 5 hours at 37°C, pH 7.5.
Recommend Usage	Collagenase Assay; Tissue dissociation.
Storage Instruction	Store at 4°C on dry atmosphere. <b>For primary cell isolation, culture and tissue dissociation:</b> Reconstituted in balanced salt solutions (such as Hank's, Earle's and others) at concentrations from 0.05% to 0.5% (w/v). <b>For enzymatic assay:</b> Reconstituted in 0.05 M TES buffer with 0.36 mM calcium chloride, pH 7.5 at a concentration of 1.0 mg/ml.

### Applications

- Enzyme Activity