

Bioactive

## Collagenase Type 2 (*C. histolyticum*)

Catalog # P5273      Size 100 mg

### Specification

<b>Product Description</b>	Lyophilized. Dialyzed. Contains higher clostripain activity.
<b>Biological function</b>	Collagenases are enzymes that break the peptide bonds in collagen.
<b>Host</b>	Clostridium Species
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Native protein purified from <i>Clostridium histolyticum</i>
<b>Activity</b>	$\geq 125$ 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.
<b>Recommend Usage</b>	Collagenase Assay; Bone, heart, liver, thyroid and salivary primary cell isolation.
<b>Storage Instruction</b>	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