

Bioactive

Collagenase Type 1 (*C. histolyticum*)

Catalog # P5280

Size 50 mg

Specification

Product Description	Lyophilized. Dialyzed. 0.22um filtered. The balance of collagenase, caseinase, clostripain and tryptic activities.
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>
Activity	>=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.
Recommend Usage	Collagenase Assay; Epithelial, liver, lung and adrenal primary cell isolations
Storage Instruction	Store at 4°C on dry atmosphere. For primary cell isolation, culture and tissue dissociation: Reconstituted in balanced salt solutions (such as Hank's, Earle's and others) at concentrations from 0.05% to 0.5% (w/v). For enzymatic assay: 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