Bioactive

Collagenase Type 3 (*C. histolyticum*)

Catalog # P5278 Size 50 mg

Specification

Product Description	Lyophilized. Dialyzed. 0.22um filtered. Lower in secondary proteolytic contaminant activities but with t ypical collagenase activity.
Biological function	Collagenases are enzymes that break the peptide bonds in collagen.
Host	Clostridium Species
Form	Lyophilized
Preparation Method	Native protein purified from *Clostridium histolyticum*
Activity	>=100 units per mg dry weight. One Unit releases one micromole of L-leucine equivalents from colla gen in 5 hours at 37°C, pH 7.5.
Recommend Usage	Collagenase Assay; Mammary primary cell isolation.
Storage Instruction	Store at 4°C on dry atmosphere. **For primary cell isolation, culture and tissue dissociation**: Reconstituted in balanced salt solutio ns (such as Hank's, Earle's and others) at concentrations from 0.05% to 0.5% (w/v). **For enzymetic 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

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