

## Datasheet

### Collagenase Type 1 (*C. histolyticum*)

**Catalog Number:** P5276

**Regulation Status:** For research use only (RUO)

**Product Description:** Lyophilized. Dialyzed. The balance of collagenase, caseinase, clostripain and tryptic activities.

**Host:** Clostridium Species

**Applications:** Enzyme

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** Native protein purified from *Clostridium histolyticum*

**Activity:**  $\geq 125$  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.

**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 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.