

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: ≥ 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.