



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

## Product Information

### Collagenase from *Clostridium histolyticum*

Product Number **C2674**  
Storage Temperature -20 °C

#### Product Description

Enzyme Commission (EC) Number: 3.4.24.3  
CAS Number: 9001-12-1

Collagenase is typically used to digest the connective components in tissue samples to liberate individual cells. General concentration ranges for cell or tissue dispersal are 0.5 - 2.5 mg/ml. The concentration for cartilage dispersal is 1-2 mg/ml, but literature searches should be performed for species-specific and/or tissue specific concentrations.<sup>1,2</sup>

Radiolabeled gelatin has been used to study the mechanism of action of collagenase.<sup>3</sup>

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Preparation Instructions

Collagenase can be solubilized in calcium-free solutions such as Hank's Balanced Salts (Product No. H 2387) or Earles Balanced Salt Solution (Product No. E 6267).

#### References

1. Bassleer, C., et al., Human Chondrocytes in Tridimensional Culture. *In Vitro Cell. Dev. Biol.*, **22**, 113-119 (1986).
2. Klagsbrun, M., Large-Scale Preparation of Chondrocytes. *Methods in Enzymology*, **58**, 560-564 (1979).
3. Mookhtiar, K. A., et al., Properties of Radiolabeled Type I, II, and III Collagens Related to their Use as Substrates in Collagenase assays. *Anal. Biochem.*, **158**, 322-333 (1986).

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