



## Collagen, Bovine Type IV

<u>Cat. No.</u>	<u>Form</u>	<u>Quantity</u>
1260-02	Purified protein	0.25 mg

### DESCRIPTION

**Source** Placental villi  
**Purification** Controlled and limited pepsin digestion, followed by selective salt precipitation.  
**Purity** >90% as judged by SDS-PAGE analysis

### RESEARCH APPLICATIONS

- Type IV collagen standard
- Antigen for antibody production
- Coating material for cell culture studies
- Formation of collagen gels

### CHARACTERIZATION

To insure lot-to-lot consistency, each batch of product is tested to conform to characteristics of a standard reference reagent using SDS-PAGE analysis

### HANDLING AND STORAGE

- The purified protein is supplied as 0.25 mg in a lyophilized form.
- The collagen may be reconstituted by re-suspending in 500mM acetic acid.
- The collagen may be transferred into physiological buffers by dialysis at 2-8°C.
- Purified collagen may be stored at 2-8°C for several months without appreciable loss of activity. For long-term storage, the purified collagen may be aliquoted and stored at -20°C. **Avoid repeated freezing and thawing.**

### REFERENCES

1. Miller, E.J. and R.K. Rhodes. 1982. *Meth. Enzymol.* 82:33.
2. Miller, E.J. In: *Extracellular Matrix Biochemistry*, K.A. Piez and A.H. Reddi, eds. Elsevier, New York, 1984. pp. 41-81.

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