

FITC-Bovine Type I Collagen

Catalog # 4001

For Research Use Only - Not Human or Therapeutic Use

DESCRIPTION:	FITC-labeled bovine type I collagen
APPLICATION:	Use as a substrate for assaying mammalian collagenase activity
QUANTITY:	10 ml
FORM:	1 mg/ml solution in 0.01M acetic acid
SOURCE:	Bovine skin
MOLECULAR WEIGHT:	300 kDa (molar ratio of collagen to FITC is approximately 1:1)
PURITY:	>99% by SDS-PAGE Background value is less than 0.1% (free fluorescence intensity (FI) extracted with 35% ethanol at 25°C)
USAGE:	FITC-bovine type I collagen forms a stable gel in neutral buffer and can be used as a substrate for assaying collagenase activity by the collagen-gel method.
STORAGE:	-20°C in the dark. Collagen will form an insoluble gel and degrade under neutral conditions during long-term storage at 4°C
STABILITY:	1 year
NOTES:	N/A
REFERENCES:	Terato, <i>et al. Biochem. Biophys. Acta</i> 445 : 753-762 (1976) Terato, <i>et al. Biomedical Res.</i> 3 : 495-505 (1982)