

DESCRIPTION	Highly purified type II collagen
APPLICATION	Used for the induction of collagen-induced arthritis (CIA) in experimental animals.
FORM	Lyophilized, 10 mg/vial
SOURCE	Chick sternum
MOLECULAR WEIGHT	300 kDa
PURITY	> 98%, as determined by SDS-PAGE and visualized by Coomassie blue staining.
PURIFICATION	Differential salt fractionation
RECONSTITUTION	Reconstitute to 4 mg/mL with dilute acetic acid (10-50 mM). Dissolve using a micro stir-flea over a 24 hour period. Note: ensure that the stir plate does not cause vial to warm.
STORAGE	Collagen dissolved in acetic acid is stable at 4 °C for 1 month. May be stored in dark at -20 °C for long term storage but will gradually degrade under neutral conditions.
TECHNICAL HINTS	<ul style="list-style-type: none">• To ensure collagen retains its native structure, always use pre-chilled pipette tips, glassware, and diluent.• Keep collagen on ice during use.• When preparing emulsion for CIA, ensure that emulsion is thick to give best rate of incidence.• Use high quality CFA (Complete Freund's Adjuvant) at a concentration up to 4mg/mL.

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