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| 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 | Fetal bovine articular cartilage |
| MOLECULAR WEIGHT | 300 kDa |
| PURITY | > 99%, as determined by SDS-PAGE and visualized by Coomassie blue staining. |
| PURIFICATION | Differential salt precipitation |
| RECONSTITUTION | Reconstitute to 4 mg/mL with dilute acetic acid (1-100 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. |
| TEHCNICAL 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. |

For research use only.



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