

DESCRIPTION Purified Rat Collagen Type I (Atelocollagen) from rat tail tendon.

FORM Lyophilized, salt free, 30mg / vial

STERILITY Passed sterility test for bacteria and fungi

SOURCE Rat tail tendons

PURITY Rat collagen type I > 90%
Rat collagen type III < 10%

PURIFICATION Collagen was extracted from dissected tissue into diluted acetic acid after mild pepsin treatment. Collagen type I was purified by using differential salt precipitation.

RECONSTITUTION Dissolve in 20 mM acetic acid. Suspension should be shaken or stirred for several hours or overnight between 2-8°C. Material is dissolved when it appears homogeneous, with no schlieren pattern (light refraction due to differing protein concentrations in the suspensions). Recommended concentration 1-5 mg/mL.

STORAGE Collagen dissolved in acetic acid is stable at 4 °C for 1 month. Lyophilized collagen long term storage at -20°C or lower.

APPLICATIONS Cell culture (coating or 3D gel)

