

Collagen Type1, Bovine

Cat# C3135

Storage at 2-8°C.

INTRODUCTION

Collagen is an inert, rigid protein found predominantly in skin, ligaments, bones and teeth. Its most distinctive attribute, essential to a transmitter of mechanical force, is inelasticity. Its fundamental structural unit is tropo-collagen, a molecular rod about 2600 Å in length and 15 Å in diameter and 300,000 molecular weight. In tendons these macromolecules, grouped as collagen fibrils, run parallel to the axis, in skin the fibrils are interlaced and branched.

INFORMATION

Source: Bovine Achilles Tendon**CAS. No:** 9007-34-5**Protein Accession Numbers:** P02453 (alpha-1(I) chain) & P02465 (alpha-2(I) chain)**Solubility:**

1. Cast as membranes or solids: Dissolved calf skin collagen in 0.075 M sodium citrate buffer, pH 4.3-4.5 (approx. 6 mg collagen/ml) can be repeatedly transformed into a stable gel on titration to pH 7.0 with 0.5 M sodium carbonate and by warming to 37°C.
2. Use in platelet aggregation assays: Used directly or diluted with 0.9% saline.

PRODUCT USE LIMITATION

These products are intended for research use only.