

Rat Tail Tendon Collagen Type I(dry powder)

Cat: C8063

Size: 10mg

Storage: 2-8°C

Introduction:

Rat tail tendon collagen type I is prepared by Birkedal-Hansen method through acetic acid extraction, sodium chloride precipitation, disodium hydrogen phosphate precipitation and other steps, and by low temperature lyophilization process. It can be used for animal immune injection and coated cell culture vessels. It can be used to culture some cells that are not easy to stick to the wall in ordinary cell culture vessels. Rat tail collagen type I(Rat tail collagen Type I) has the advantages of high purity(SDS-PAGE>85%), low endotoxin, and easy storage and transportation, making it convenient for customers to prepare tendon collagen type I with the required concentration.

Protocols:(only for reference):

The optimal coating concentration depends on the cell type as well as the application or research purpose.

1. Calculate the required coated solution volume based on the coated area; Dissolve the dry collagen powder with sterile 0.006M acetic acid solution, configure the collagen working solution with a concentration of 0.1%(w/v), stir until the dry powder is fully dissolved, and store at 4°C for later use.
2. Add the collagen working solution to the cell culture dish at a concentration of 1-5μg/cm² and cover the surface completely.
3. Leave at room temperature or 37°C for several hours, or 2-8°C overnight.
4. Blot away excess liquid and allow petri dishes to dry overnight. The drying package is covered by a good petri dish surface that can be sterilized overnight by UV irradiation.
5. The surface of the cell culture dish can be washed with 1×PBS solution before inoculating the cells.

Notes:

1. The dissolution process should be carried out on ice, because liquid collagen type I can quickly form glue at room temperature.
2. The whole process should be carried out in a sterile environment to avoid contamination that may affect cell growth.
3. For your safety and health, please wear a lab coat and disposable gloves.
4. This product is for scientific research purposes only.