Heparin Sodium Solution (10 mg/mL)

Cat. No. : PB180617

Size: 1mL

General Information

Product Form	Liquid
Solvent	Ultrapure water
Concentration	10 mg/mL
Storage	2-8℃
Whether to avoid light	Shading light
Shipping	Ice bag
Expiration date	12 months

Background

Heparin sodium (Heparin) is a glycosaminoglycan that is synthesized in vivo and stored in various mammalian tissues and is particularly abundant in the mast cells of the liver, lungs, and mucous membranes. Bovine lung tissue or porcine intestinal mucosa are the main sources of commercial heparin extraction. As a highly effective anticoagulant, heparin exerts a powerful anticoagulant effect by binding to antithrombin III (a natural plasma protease inhibitor), significantly accelerating its reaction rate of inhibiting coagulation proteases (such as factor Xa and thrombin).

In addition, heparin can also stabilize tryptase in the form of an active tetramer, further expanding its value for biomedical applications. These properties of heparin make it important in clinical anticoagulation therapy, in vitro circulation, and organoid culture.

Notes

1. This product was sterilized by 0.1 μm filtration and can be used directly after melting.
2. It is necessary to pay attention to the aseptic operation and avoid the contamination.
3. If there is precipitate when you take it out, the contents can be resuspended by pipetting or vortex mixing. After incubating the solution at 37℃ for 20 to 30 minutes or letting it stand at room temperature for about an hour, check to see if the precipitate dissolves as intended. If the product dissolves completely, it can be used as usual.
4. This product is a concentrated solution and should be diluted prior to use as required.
5. Normally stored at 2-8℃, it is recommended to use up within one month after opening.
6. This product is for research use only.