10 mg/mL Carboxybenzylpenicillin disodium solution

Cat. No.: PB180130

Size: 10mL

Product Description

Carbenicillin sodium is a penicillin derivative and a commonly used antibiotic that is soluble in both water and ethanol. Carbenicillin inhibits both Gram-negative and Gram-positive bacteria by inhibiting the synthesis of the bacterial cell wall.

In cell culture, Carbenicillin is used to prevent bacterial contamination by inhibiting various bacterial strains. In the field of plant tissue culture, it plays a crucial role during plant transformation processes, specifically to kill Agrobacterium after co-culture of bacteria with plant tissue; Compared to ampicillin, Carbenicillin is more stable and has become a widely accepted alternative in molecular biology studies, effectively reducing the formation of satellite colonies.

General Information

Form	Liquid
Concentration	10 mg/mL
Recommend working concentration	30-100 μg/mL
Type	10mL
pH	7.0-7.6
Solvent	0.9% normal saline
Storage Conditions	-5~-20°C. Protect from light
Transport Conditions	Ice bag
Expiration Date	12 months

Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product has been sterilized by 0.1 μm filter, and it can be used directly after melting.
3. When using this product, pay attention to your operation to prevent bacterial contamination.
4. The product should be thawed at 2-8°C, shaken well and then used, avoiding repeated freezing and thawing. If there are precipitates after thawing, shake them slightly (do not shake violently) and stand at room temperature for about 1 hour or 37°C incubator for 20-30 minutes to observe whether the precipitates can be dissolved normally, and if they can be dissolved, they can be used normally.
5. This product is a concentrated solution, please use it after dilution as needed; it can be used after dilution with complete medium 1:200, and the dilution ratio can also be adjusted within the working concentration range as needed.
6. It is recommended to use the regular at 2-8°C for preservation within one week.It needs to be frozen at -5~-20°C when not in use for a long time, and it is not suitable to keep the storage at room temperature or 2-8°C for a long time. To avoid repeated freezing and thawing, it is recommended to store it in small quantities after subpackaging.