



Carbenicillin Solution 100mg/ml

With 100mg/ml Carbencillin in sterile tissue culture grade water

Product Code: A019

Product Description :

Carbenicillin is a semi-synthetic analogue of the naturally occurring benzyl-penicillin. It belongs to the carboxypenicillin subgroup of penicillins. It is bactericidal and bacteriolytic in action. It acts by binding and inhibiting enzymes involved in the synthesis of the bacterial cell wall. Though more resistant than ampicillin, carbenicillin is susceptible to degradation by beta-lactamase enzymes. It is more stable at lower pH as compared to ampicillin. It is active against Gram-negative bacteria such as *Pseudomonas aeruginosa*, but has limited Gram-positive coverage.

A019 is a sterile solution that contains 100mg/ml of Carbenicillin in sterile tissue culture grade water.

Directions :

Recommended use concentration is 100µg/ml. Sensitive cell lines may react differently to this product. Hence it is recommended to determine optimum usage dose empirically for individual cell line.

Quality Control:

Appearance

Clear, light yellow coloured solution

pH

5.80 -6.40

Osmolality in mOsm/Kg H₂O

650.00 -750.00

Carbenicillin concentration

100mg/ml.

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

1. No toxicity to cells.
2. Antibiotic sensitivity test

Endotoxin Content

NMT 0.5EU/ml

Storage and Shelf Life:

Store at -20°C.

Shelf life of the product is 18 months.

Use before expiry date given on the product label.

Disclaimer :

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