

Technical Information

Ciprofloxacin 2% Solution 5X

w/ 2% Ciprofloxacin in sterile tissue culture grade water

Product Code: A01032

Application:-Ciprofloxacin is a fluoroquinolone antibiotic that is effective against a wide range of gram positive and gram negative bacteria. It is most well-known for its effectiveness against mycoplasma. The mode of action of this antibiotic is by interfering with the bacterial enzyme DNA gyrase. DNA gyrase is necessary for bacterial synthesis, replication, and transcription in both the active and non-active growth phases of the bacterial life cycle.

A01032 is a sterile filtered solution formulated to contain 2% ciprofloxacin in tissue culture grade water.

Methodology

Recommended use concentration is 1ml/L. 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

Light yellow, clear solution.

pH

3.60 - 4.20

Osmolality in mOsm/Kg H₂O

20.00 - 60.00

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

Storage and Shelf Life

Store at 2 - 8°C. Shelf life of the product is 18 months Use before expiry date given on the product label.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at CDH is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.