Normocin™
For the prevention of cell culture contamination by mycoplasma, bacteria or fungi
Catalog code: ant-nr-1, ant-nr-2
http://www.invivogen.com/normocin
For research use only. Not for human or veterinary use.
Version 18C26-MM

PRODUCT INFORMATION

Content
Normocin™ is supplied as a cell culture tested, sterile filtered red solution at 50 mg/ml. It is available in 2 pack sizes:
• ant-nr-1: 10 x 1 ml (500 mg)
• ant-nr-2: 1 x 20 ml (1 g)

One 1 ml vial is sufficient for 500 ml of culture.
One 20 ml bottle is sufficient for 10 liters of culture.

Shipping and Storage
- Normocin™ is shipped at room temperature. Upon receipt it can be stored at 4 °C or at -20 °C. Avoid repeated freeze-thaw cycles.
- The expiry date is specified on the product label.
Note: Product is stable for 2 weeks at room temperature.

QUALITY CONTROL
Each lot is thoroughly tested to ensure the absence of lot-to-lot variation:
- Endotoxin level: < 0.5 EU/mg
- Physicochemical characterization (pH, appearance)
- Cell culture tested: potency validated on bacterial and fungal reference strains

DESCRIPTION
Normocin™ is an innovative formulation of three antibiotics active against mycoplasma, bacteria and fungi. It is widely used and cited as a «routine addition» to cell culture media to prevent contamination in animal cell cultures. It is active against Gram-positive (e.g. Bacillus and Staphylococcus species) and Gram-negative bacteria (e.g. E. coli and Enterobacter), mycoplasmas and fungi including yeasts (e.g. C. albicans and S. cerevisiae).
Normocin™ can be used in combination with penicillin and streptomycin (Pen-Strep) solutions to broaden the anti-bacterial spectrum. It displays very efficient anti-mycoplasma action and eliminates basal resistance. Normocin™ provides maximum protection against microbial contamination with minimum cytotoxicity.


COMPOSITION
Normocin™ contains three compounds. Two of these compounds act on mycoplasmas, Gram-positive and Gram-negative bacteria by blocking DNA and protein synthesis. The third compound eradicates fungi, including yeasts, by disrupting ionic exchange through the cell membrane.

METHOD
For cell culture maintenance, Normocin™ is used at a concentration of 100 µg/ml, which represents a 1:500 dilution of stock solution. Refer to the table below to determine the volume needed.

1. Split an actively dividing culture of cells into medium containing 100 µg/ml of Normocin™.
2. Remove and replace with fresh Normocin™ containing medium every 3-4 days.
3. Repeat every time you change culture medium.

RELATED PRODUCTS

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<tr>
<th>Product</th>
<th>Description</th>
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<tr>
<td>Fungin™</td>
<td>Antifungal agent</td>
<td>ant-fn-1</td>
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<td>Normocure™</td>
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<td>Plasmocin™ Prophylactic</td>
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<td>Plasmocin™ Treatment</td>
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<td>PlasmoTest™</td>
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<td>Primocin™</td>
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</tbody>
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