

POLYMYXIN B SUPPLEMENT

a selective agent for inhibition of Gram-negative organisms

Vial contents	SR0099E (1 vial per 500ml medium†)	per litre
Polymyxin B	50,000IU	100,000IU

Directions

Reconstitute as directed in the product instructions for use. Aseptically, add one vial to 500ml† of liquid or molten base medium, which is below 50°C. Mix well, and dispense into appropriate, sterile containers.

† assumes target concentration of 100,000U/l

Description

Polymyxin B are antibiotics used for inhibition of Gram-negative bacteria, in media. Polymyxins bind to the cell membrane and disrupt its structure making it more permeable. Osmotic pressures draw water into the cell. The cell membrane ruptures, resulting in cell death. They have little effect on Gram-positive bacteria because of the thick cell wall.

Polymyxin B Supplement (SR0099) is used in conjunction with a number of Oxoid base media:

- Bacillus cereus Selective Agar Base (CM0617)
- MYP Agar Base (CM0929)

For full details of the use of Polymyxin Supplement (SR0099) with these formulations, please go to the product details for the relevant culture medium base.

Storage conditions and Shelf life

Polymyxin B Supplement at 2-8°C and use before the expiry date on the label.