

## 18079 Cycloheximide solution (Actidion solution)

A selective supplement for suppressing growth of fungi by inhibiting the protein synthesis. The solution is safer and easier to use than cycloheximide powder. The required volume can be simply aliquoted from the bottle (stored in the dark at 2-8°C) and added to the medium before or after sterilisation.

### Composition

Sterile filtered solution containing 0.1% cycloheximide (10 vial à 10 ml; supplied in a amber glass bottle with screw-cap, the required volume can be simply pipetted

### Storage:

2-8°C (in the dark)

### Directions

Aseptically add 3.5 ml to 500 ml sterile, molten Agar or Broth (e.g. Rakay-Ray Agar; Cat. No. 02538). Mix well and pour into sterile petri plates.

Sabouraud 4% Glucose Agar (Cat. No. 84088) / Sabouraud 2% Glucose Agar (Cat. No. 84086)

For the selective cultivation, isolation and identification of fungi and yeasts. Cycloheximide, chloramphenicol and various other antibiotics have been recommended for increase the selectivity and to suppress spreading. The antibiotic and concentration depend on the group of organisms that is to be inhibited. e.g. *Cryptococcus neoformans*, *Aspergillus fumigatus* and *Allescheria boydii* are sensitive to cycloheximide.

Brain Heart Infusion Agar (Cat. No. 70138)

A solid medium for the cultivation of fastidious pathogenic bacteria such as Streptococci and *Neisseria* and other fastidious organisms. For the selective isolation of fungi 0.5 µg/ml cycloheximide (0.5 ml of 18079 per litre) and 0.05 µg/ml chloramphenicol (Cat. No. 29231) can be added.

WL Nutrient Broth (Cat. No. W2261) / WL Nutrient Agar (Cat. No. 17222)

For the examination of materials encountered in brewing and for industrial fermentations containing mixed flora of yeasts and bacteria. For increase selectivity may 4 µg/ml cycloheximide (4 ml of 18079 per litre) can be added to isolate bacterial contaminants in beer and wine.

Cereus Selective Agar (PEMBA; Cat. No. 22310)

For enumeration, identification and isolation of *Bacillus cereus* in food. If large numbers of fungi are expected in the sample, it is recommended to add 40 µg/ml cycloheximide to the medium (40 ml of 18079 per litre).

Universal Beer Agar (Cat. No. 17226)

For culturing microorganisms of significance in the brewing industry. To suppress yeasts in the beer and to detect bacterial contaminants the addition of 1 µg

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

