

Listeria Selective Enrichment Supplement (iS47084)

A selective supplement recommended for isolation of *Listeria* species from food, animal feed and environmental specimens.

Industry: Food

Description

The added selective supplement inhibits non-target organisms, with nalidixic acid blocking DNA replication of susceptible bacteria, particularly Gram-negative bacteria. Acriflavine and Cycloheximide serve as components selective for Gram-positive organisms.

Content per Vial

1 Vial for 500 ml of culture medium.

Acriflavine HCl	7.5 mg
Cycloheximide	25.0 mg
Nalidixic acid (sodium salt)	20.0 mg

Directions

Add 2 ml of distilled water to one vial, gently mix to dissolve the contents completely, and aseptically introduce it to 500 ml of sterile Listeria Selective Enrichment Broth Base cooled to 50 °C. Thoroughly mix the solution and dispense it into sterile tubes.

Precautions

Acriflavine hydrochloride is activated by light which may cause it to become inhibitory to *Listeria* growth.

Storage

Store in a light-protected environment at -20°C.