

Microbiology

Listeria Selective Enrichment Supplement acc. to FDA-BAM 1992

Inhibitor mixture

Contents: 16 vials (lyophilisate) for the preparation of 8.0 l Listeria-Enrichment-Broth (Base) acc. to FDA/IDF-FIL

Application

Selective-Supplement for preparing Listeria-Enrichment-Broth (Base) acc. to FDA/IDF-FIL (Cat. No. 1.11951.)

Principle

Listeria-Selective-Enrichment-Supplement acc. to FDA-BAM 1992 is a mixture of three different antibiotics in the form of lyophilisate. It suppresses virtually the growth of accompanying microorganisms by the selective enrichment of Listeria.

Composition (per vial)

Acriflavin HCL	7.5 mg
Cycloheximide	25.0 mg
Nalidixic acid (Sodium salt)	20.0 mg

Preparation

1. Suspend 18 g Listeria-Enrichment-Broth (Base) acc. to FDA/IDF-FIL (Cat. No. 1.11951.) in 500 ml demineralized water.
2. Autoclave the medium at 121 °C/15 min.
3. Cool the medium under 50 °C.
4. Fill in the bottle of lyophilisate 1 ml of sterile distilled water and dissolve the lyophilisate.

To prepare 500 ml of Listeria-Enrichment-Broth (Base) acc. to FDA/IDF-FIL add the dissolved lyophilisate to the sterile culture medium cooled to a temperature under 50°C. Mix homogeneously the selective supplement into the culture medium solution by carefully swirling.

pH of the ready-to-use medium: 7.3 ± 0.2

Experimental procedure

Inoculate Listeria-Enrichment-Broth (usually add 25 g test portion of the sample to 225 ml of broth) and incubate 48 h at 30 °C.

Streak about 0.1 ml Enrichment broth on a Listeria-Selective-Agar plate, e.g. PALCAM-Listeria-Selective-Agar acc. to van Netten et al. (Cat. No. 1.11755.), in a way that single colonies are well isolated.