

## Microbiology

### Listeria-Selective-Enrichment-Supplement acc. to FDA-BAM 1995 / IDF-FIL

**Contents:** 10 vials (lyophilisate) for the preparation of  
5.0 l Listeria-Enrichment-Broth 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 1995 /  
IDF-FIL is a mixture of three different antibiotics in the form of lyophili-  
sate. It suppresses virtually the growth of accompanying microorgan-  
isms by the selective enrichment of Listeria.

#### Composition (per vial)

Acriflavine HCL	5.0 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 homogenously the  
selective supplement into the culture medium solution by carefully  
swirling.

pH of the ready-to-use medium:  $7.3 \pm 0.2$

#### 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.

#### Ordering information

1.11951.0500	Listeria-Enrichment-Broth (Base) acc. to FDA/IDF-FIL	500 g
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