

**LISTERIA ENRICHMENT BROTH LOW ACRIFLAVINE**Selective enrichment broth for detection of *Listeria* spp. in milk and milk products**Typical formula (g/l)**

Tryptic Digest of Casein	17.000
Soy Peptone	3.000
Yeast Extract	6.000
Cycloheximide	0.050
Nalidixic Acid	0.040
Acriflavin HCl	0.010
Sodium Chloride	5.000
Dipotassium Hydrogen Phosphate	2.500
Glucose	2.500

**Directions**

Suspend 36.1g in 1000ml of cold distilled water. Heat to dissolve, distribute and sterilise in the autoclave at 115°C for 15 minutes.

pH 7.3± 0.2

**Description**

Listeria Enrichment Broth Low Acriflavine is based on the typical formulation described by FIL-IDF for the enrichment of *L. monocytogenes* in milk and milk products. It differs from the usual formulation of Lovett and recommended by FDA for a lower concentration of acriflavine: 10 mg/lit instead of 15 mg/lit.

**Technique**

Add 25g of sample to 225ml of Listeria Enrichment Broth Low Acriflavine. Blend until the test portion is thoroughly dispersed. Incubate the inoculated enrichment medium for 48hrs at 30°C. Streak a loopful of the enrichment culture onto a surface of the ALOA Agar plate (code 401605) and Palcam Agar Plate (code 401604) or Oxford Agar Plate (code 401600). Incubate at 37°C for 24 hours. Examine for the presence of typical colonies. Carry on the suitable identification tests.

Note: Techniques for the detection of *Listeria* in foods vary, depending on the material under examination and local laws. Refer to various compendia or to national regulations for the complete procedures.

**User quality assurance** (37°C-24hrs)

Productivity control

*L.monocytogenes* ATCC 19111: growth

Selectivity control

*S.aureus* ATCC 25923: inhibited

**Storage**

Dehydrated medium: 10-30°C

User prepared tubes: 7days at 2-8°C

**References**

- IDF Recommended method for detection of *L. monocytogenes* in Milk and Milk products. FIL-IDF, E-DOC 359, 1988
- ISO 10560. Milk and milk products-Detection of *Listeria monocytogenes*. 1st Ed. 1993-08-01

**Packaging**

<b>401601S1</b>	<b>Listeria Enrichment Broth Low Acriflavine,</b>	<b>100 g (2.77 l)</b>
<b>401601S2</b>	<b>Listeria Enrichment Broth Low Acriflavine,</b>	<b>500 g (13.8 l)</b>
<b>401601S4</b>	<b>Listeria Enrichment Broth Low Acriflavine,</b>	<b>5 kg (138.5 l)</b>