LISTERIA ENRICHMENT BROTH, HALF FRASER

A selective enrichment medium for the isolation of *Listeria monocytogenes* according to ISO 11290-1.

Dehydrated media	
Code number:	500 g: LEF20500-HF, 5 kg: LEF25000-HF
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **55 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 105 °C for 1 minute.

Warning!
The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: LEF30100-HF, 500 ml: LEF30500-HF
Tubed media:	150 x 15 mm: LEF40010-HF (10 ml)
Colour:	Yellowish
pH (25 °C):	7,1 – 7,3

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Meat peptone	5,0000
Casein peptone	5,0000
Beef extract	5,0000
Yeast extract	5,0000
Sodium chloride	20,0000
Lithium chloride	3,0000
Ferric ammonium citrate	0,5000
Esculin	1,0000
Acriflavine	0,0125
Nalidixic acid	0,0100
Potassium hydrogen phosphate, monobasic	1,0000
Sodium phosphate, dibasic, dihydrate	9,5000

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Listeria monocytogenes ATCC 19115		Good, colour change to black	
Staphylococcus aureus ATCC 29213		Inhibited	

References: Fraser and Sperber (1988) J. Food Protect. 51: 762.
ISO 11290-1: 1998

In vitro diagnostic – for professional use only!