LISTERIA ENRICHMENT BROTH, FRASER

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

Dehydrated media	
Code number:	500 g: LEF20500-TF, 5 kg: LEF25000-TF
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 minutes.

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

Prepared media	
Bottled media:	100 ml: LEF30100-TF, 500 ml: LEF30500-TF
Tubed media:	150 x 15 mm: LEF40010-TF (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	5,000
Casein peptone	5,000
Beef extract	5,000
Yeast extract	5,000
Sodium chloride	20,000
Lithium chloride	3,000
Ferric ammonium citrate	0,500
Esculin	1,000
Acriflavine	0,025
Nalidixic acid	0,020
Potassium phosphate, monobasic	1,350
Sodium phosphate, dibasic, anhydrous (Equivalent to 12 g of Sodium phosphate dibasic x 2 H_2O)	9,650

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	
Enterococcus faecalis ATCC 29212		Inhibited	

References: Fraser and Sperber (1988) J. Food Protect. 51: 762.
ISO 11290-1:2017

For professional use only!