LISTERIA SELECTIVE AGAR BASE, OXFORD

A selective and differential medium for the detection of *Listeria monocytogenes* according to ISO 11290-1.

Dehydrated media	
Code number:	500 g: LAO20500, 5 kg: LAO25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 - 7,2

Direction: Suspend **29,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the contents of **one vial of Listeria Selective Supplement, Oxford (LSO80004)** reconstituted with 4 ml of 1:1 mixture of ethanol and sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: LAO30100, 500 ml: LAO30500
Plated media:	55 mm: LAO50055, 90 mm: LAO50090
Colour:	Yellowish
pH (25 °C):	6,9 – 7,1

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Proteose peptone	23,0
Starch soluble	1,0
Lithium chloride	15,0
Sodium chloride	5,0
Ferric ammonium citrate	0,5
Esculin	1,0
Agar	13,5

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 media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 48 h
Listeria monocytogenes	ATCC 19115	Good, black colonies with black halo	
Staphylococcus aureus	ATCC 29213	Inhibited	

References: Curtis et al. (1989) Letters in Appl. Microbiol. 8: 95.
ISO 11290-1:1998

In vitro diagnostic – for professional use only!