LISTERIA SELECTIVE AGAR BASE, PALCAM

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

Dehydrated media	
Code number:	500 g: LAP20500, 5 kg: LAP25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **36 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, Palcam (LSP80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: LAP30100, 500 ml: LAP30500
Plated media:	55 mm: LAP50055, 90 mm: LAP50090
Colour:	Orange
pH (25 °C):	7,1 – 7,3

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

Peptones	23,00
Yeast extract	3,00
Mannitol	10,00
Starch soluble	1,00
Glucose	0,50
Lithium chloride	15,00
Sodium chloride	5,00
Ferric ammonium citrate	0,50
Esculin	0,80
Phenol red	0,08
Agar	13,10

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, grey-green colonies with dark brown - black halo	
Staphylococcus aureus	ATCC 29213	Inhibited	

References: van Netten et al. (1989) Int. J. Food Micr. 8: 299.
ISO 11290-1: 1998

In vitro diagnostic – for professional use only!