

LISTERIA PALCAM Supplement

Selective supplement for the isolation of *Listeria monocytogenes*.

DESCRIPTION

LISTERIA PALCAM Supplement is a selective supplement made of a freeze-dried mixture of Polymyxin B, Ceftazidime and Acriflavine to use as supplement of the culture medium LISTERIA PALCAM AGAR code 610168 or 620168 for the isolation of *Listeria monocytogenes*.

KIT CONTENTS

Each kit contains:

- 10 vials of freeze-dried LISTERIA PALCAM Supplement
- 1 instructions sheet

PRINCIPLE OF THE METHOD

Polymyxin B, Ceftazidime and Acriflavine contribute to the finale medium selectivity by inhibiting the growth of most of common bacterial species non-*Listeria spp* frequently found in food. Polymyxin B acts against Gram-negative bacteria, Ceftazidime is active against Gram-positive and enterobacteria, Acriflavine inhibits many Gram-positive bacteria.

COMPOSITION

LISTERIA PALCAM Supplement		
	<i>Content / vial</i>	<i>Content / l of medium</i>
Polymyxin B	5.0 mg	10.0 mg
Ceftazidime	10.0 mg	20.0 mg
Acriflavina HCl	2.5 mg	5.0 mg

PROCEDURE FOR USE

1. Reconstitute aseptically the content of one vial of LISTERIA PALCAM Supplement with 5 ml of sterile distilled water. Shake until completely dissolved, avoiding foam formation.
2. Add aseptically the entire content of one vial (5 ml) to 500 ml of medium LISTERIA PALCAM AGAR code 610168 or 620168 autoclaved and cooled at 45-50°C.
3. Mix with care.
4. Distribute into Petri dishes.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical documentation for LISTERIA PALCAM AGAR code 610168 or 620168.

QUALITY CONTROL

1. Control of the appearance: freeze-dried product, yellow colour .
2. Microbiological control.

Prepare the plates using as base the medium LISTERIA PALCAM AGAR code 610168 or 620168 added with LISTERIA PALCAM Supplement (1 vial in 500 ml of medium). The plates are seeded with the strains indicated in the microbiological control table.

Incubation condition: 24-48 h at 36 ± 1 °C.

Microbiological control:

	Control strains	Growth
<i>Listeria monocytogenes</i>	ATCC 19111	Good
<i>Listeria monocytogenes</i>	ATCC 13932	Good
<i>Escherichia coli</i>	ATCC 25922	Inhibited
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited

PRECAUTIONS

The product LISTERIA PALCAM Supplement is classifiable as hazardous under current legislation; it is recommended that the Safety Data Sheet be consulted on its use.

LISTERIA PALCAM Supplement is a selective supplement to be used only for *in vitro* diagnostic use. It is intended for use in a professional environment and must be used in the laboratory by properly trained personnel, using approved asepsis and safety methods for handling pathogenic agents.

STORAGE

Store LISTERIA PALCAM Supplement at 2-8 °C in its original packaging. In such conditions LISTERIA PALCAM Supplement will remain valid until the expiry date indicated on the label. Do not use beyond that date. Eliminate without using if there are signs of deterioration.








REFERENCES

- Van Netten, P. et al.,(1989). J. of Food Microbiol. 8:299-317.
- AFNOR. (1993). Food Microbiology – "Detection of *Listeria monocytogenes*". IDF Provisional International Standard n° 143. International Dairy Federation, Brussels.

PRESENTATION

Product	REF	Σ
LISTERIA PALCAM Supplement	81026	10 vials

TABLE OF SYMBOLS

IVD In Vitro Diagnostic Medical Device	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
REF Catalogue number	 Fragile, handle with care	 Use by	 Caution, consult accompanying documents	LOT Batch code



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