

# PALCAM Supplement



- For in vitro use only -

## Catalogue No.

VP10-05 PALCAM Supplement [5-mL / 500-mL] (Frozen Liquid)

LP10-05 PALCAM Supplement [5-mL / 500-mL] (Lyophilized)

A selective supplement used for the detection and isolation of *Listeria* species when incorporated into PALCAM Agar.

## Active Ingredients per 5-mL Vial (Each vial prepares 500-mL of media)

Polymixin B ..... 5-mg  
Acriflavine ..... 2.5-mg  
Ceftazidime ..... 10-mg

## Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Acumedia	PALCAM Agar	7669
Merck	PALCAM Listeria Agar Base	1.11755
Oxoid	PALCAM Agar Base	CM877
Acumedia	PALCAM Broth	7670
Merck	PALCAM Listeria Selective Enrichment Broth Base	1.10823

## Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to use:

1. Aseptically add 2.5-mL of ethanol; swirl vial briefly and add 2.5-mL of sterile, purified water to the vial.
2. Mix vial gently until supplement is completely dissolved.

## Recommended Procedure for Media Preparation

### PALCAM Agar

1. Allow one 5.0-mL vial of PALCAM Supplement to adjust to room temperature prior to using.
2. Prepare and sterilize 500-mL of PALCAM Agar according to the manufacturers' recommendations. (Boil and then autoclave for 15 minutes at 121°C)
3. Cool medium to 45 to 50°C in a water bath.

4. Mix supplement well before adding.
5. Aseptically add the 5.0-mL vial of PALCAM Supplement to the medium; mix well to incorporate the supplement thoroughly into the medium.
6. Dispense medium into sterile petri dishes. Allow medium to set on a cool, level surface.

### PALCAM Broth

1. Allow one 5.0-mL vial of PALCAM Supplement to adjust to room temperature prior to using.
2. Prepare and sterilize 500-mL of PALCAM Broth according to the manufacturers' recommendations. (Boil and then autoclave for 15 minutes at 121°C).
3. Cool medium to room temperature.
4. Mix supplement well before adding.
5. Aseptically add the 5.0-mL vial of PALCAM Supplement to the medium; mix well to incorporate the supplement thoroughly into the medium.
6. Aseptically dispense the medium into sterile tubes or containers.

### **Quality Control**

The following organisms should be used to determine the performance of the completed medium. Inoculate and incubate at 35°C for 18 to 48 hours.

<b>Organism</b>	<b>Expected Results</b>
<i>Listeria monocytogenes</i> ATCC 19114	Growth, black colonies
<i>Escherichia coli</i> ATCC 25922	Partial to complete inhibition
<i>Staphylococcus aureus</i> ATCC 25923	Partial to complete inhibition

### **Storage and Shelf Life**

Our frozen PALCAM Supplement has a shelf life of 26 weeks from the date of manufacture when stored at -20°C. The lyophilized supplement has a shelf life of 104 weeks (2 years) from the date of manufacture when stored at 4 to 8°C.