

## 7987 PALCAM Supplement

### Intended Use

PALCAM Supplement is used with PALCAM Agar or PALCAM Broth as a supplement for the selective and differential enrichment of *Listeria* spp. from foods, dairy and environmental samples in a laboratory setting. PALCAM Supplement is not intended for use in the diagnosis of disease or other conditions in humans.

### Principles of the Procedure

PALCAM Supplement is a lyophilized supplement which is reconstituted into a solution and is added to various media used to selectively enrich food samples for the isolation of *Listeria* spp.

For use in:

**7669 PALCAM Agar Base:** PALCAM Agar Base is based on the formulation of Van Netten et al., while he was investigating the isolation of *Listeria* spp. from food samples. PALCAM Agar Base is recommended by AFNOR for the detection of *Listeria monocytogenes* in foods, Health Canada in food and environmental samples, and the International Dairy Federation in milk and milk products.

**7670 PALCAM Broth:** PALCAM Broth is based on the formulation of Van Netten et al., while he was investigating the isolation of *Listeria* spp. from food samples. PALCAM Broth has been used for testing *Listeria* from raw milk.

### Formula (per vial)

Polymyxin B.....	5.0mg
Acriflavine.....	2.5mg
Ceftazidime.....	10.0mg

### **Precaution**

1. For laboratory use only.

### Directions

#### **PALCAM Agar Base**

1. Suspend 72 g of the medium in one liter of purified water.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes. Cool to 45 - 50°C.
4. Aseptically add 10 mL of PALCAM Supplement (# 7987). One vial will supplement 500 ml of PALCAM Agar Base.
5. Dispense into sterile petri dishes.

#### **PALCAM Broth**

1. Suspend 47 g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes. Cool to 45 - 50°C.
4. Aseptically add 10 mL of PALCAM Supplement (# 7987). One vial of PALCAM Supplement will supplement 500 mL of PALCAM Broth.
5. Dispense into sterile tubes.

### Quality Control Specifications

**Lyophilized Appearance:** Homogenous, fluffy gold to yellow to orange-yellow dried 'cake', crystalline; may break up with agitation.

**Reconstituted Appearance:** Clear to very slightly opalescent gold-yellow solution with a green tint; light fine crystalline precipitate which dissolves with mixing or sonication.



**Reconstitution Procedure**

Reconstitute the vial by aseptically adding 2.5ml absolute ethanol (reagent grade; not denatured) with mixing, then add 2.5 ml sterile purified water and mix thoroughly.

**Storage**

Store sealed bottle containing the product at 2 - 8°C.

**Expiration**

Refer to expiration date on the label. Expiry applies to the lyophilized supplement in its intact container when stored as directed.

**Limitations of the Procedure**

Discard if lyophilized supplement demonstrates any moisture uptake or appears to have liquefied; discard if reconstituted supplement demonstrates any precipitate which does not disperse after mixing or sonication.

**Packaging**

**PALCAM Supplement**

**Code No.                                7987 10 x 5ml**

**Technical Information**

Contact Acumedia Manufacturers, Inc. for Technical Service or questions involving dehydrated culture media preparation or performance at (517)372-9200 or fax us at (517)372-2006.