

## Actero™ Palcam Agar Product Information

Catalogue No.	Description
<b>FCM-102</b>	Actero™ Palcam Agar (500 G)
<b>FCM-101</b>	Actero™ Palcam Agar (2 KG)
<b>FCM-100</b>	Actero™ Palcam Agar (10 KG)

### INTENDED USE:

Palcam Agar is used for the selective isolation and enumeration of *Listeria monocytogenes* from foods and environmental samples. Mannitol and Phenol Red have been added to differentiate mannitol-fermenting strains of possible contaminants. Polymyxin B, Acriflavine, Ceftazidime, and lithium chloride are selective agents used to suppress Gram-negative and certain Gram-positive bacteria.

### Formula\* per Liter:

Columbia Blood Agar Base .....	43.0g
Lithium Chloride.....	15.0g
Agar.....	1.5g
Mannitol .....	10.0g
Yeast Extract .....	3.0g
Ferric Ammonium Citrate .....	0.5g
Esculin.....	0.8g
Glucose.....	0.5g
Phenol Red .....	0.08g

### Final pH: 7.2 ± 0.2 at 25°C

\* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

### PREPARATION:

Mix 74 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. Cool to 45-50°C. Aseptically add a sterile solution of Polymyxin B 10mg/L, Acriflavine 5.0mg/L and Ceftazidime, 20mg/L.

### TERMS AND CONDITIONS:

Salus Scientific Inc. makes no representations and warranties concerning its products other than those stated herein. All Product(s) delivered hereunder by Salus Scientific Inc., its affiliates or any other person on its behalf shall, at the time of delivery, be manufactured to meet Salus Scientific Inc.'s specifications and all applicable laws.

All other terms, conditions and warranties, including any warranty of merchantability, quality, fitness or suitability for a particular or intended purpose, implied by common law or statute, (implied warranties) are expressly excluded.

### FOR FURTHER INFORMATION, PLEASE CONTACT:

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### QUALITY CONTROL SPECIFICATIONS:

1. The powder is homogeneous, free-flowing, and beige with a pink tint.
2. Visually the prepared medium is traced to slightly hazy and pink-red.
3. Expected cultural response after 18-48 hours at 35°C.

### RESULTS:

Organism	Growth
<i>Escherichia coli</i> ATCC® 25922	Inhibition
<i>Enterococcus faecalis</i> ATCC® 29212	Inhibition
<i>Listeria monocytogenes</i> ATCC® 7644	Grey-green w/black ppt.
<i>Staphylococcus aureus</i> ATCC® 25923	Inhibition
<i>Listeria monocytogenes</i> ATCC® 19114	Grey-Green w/black ppt.
<i>Listeria monocytogenes</i> ATCC® 15313	Grey-Green w/Black ppt.

### Storage Instructions:

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original beige with faint pink color.